

FIGURE 1

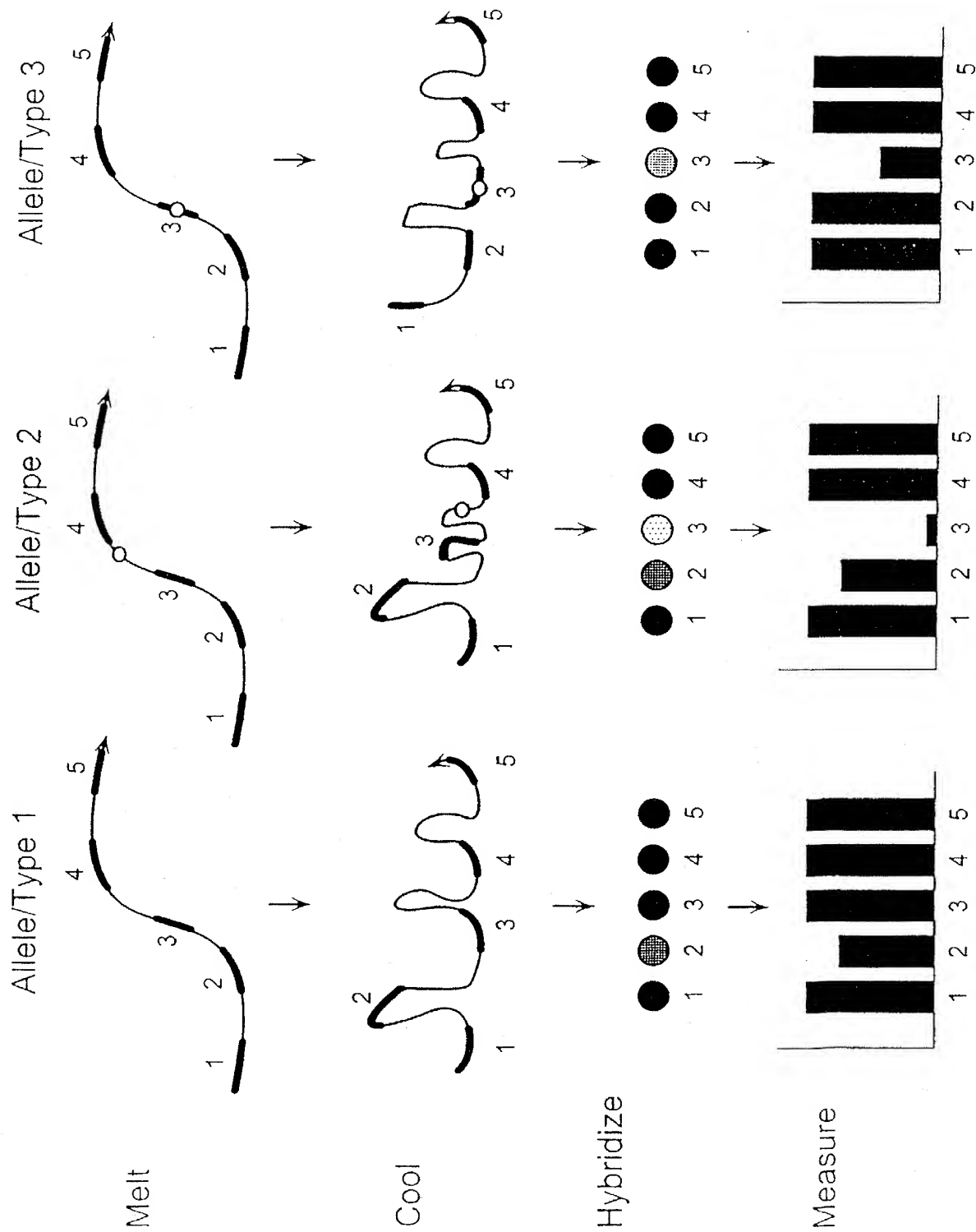
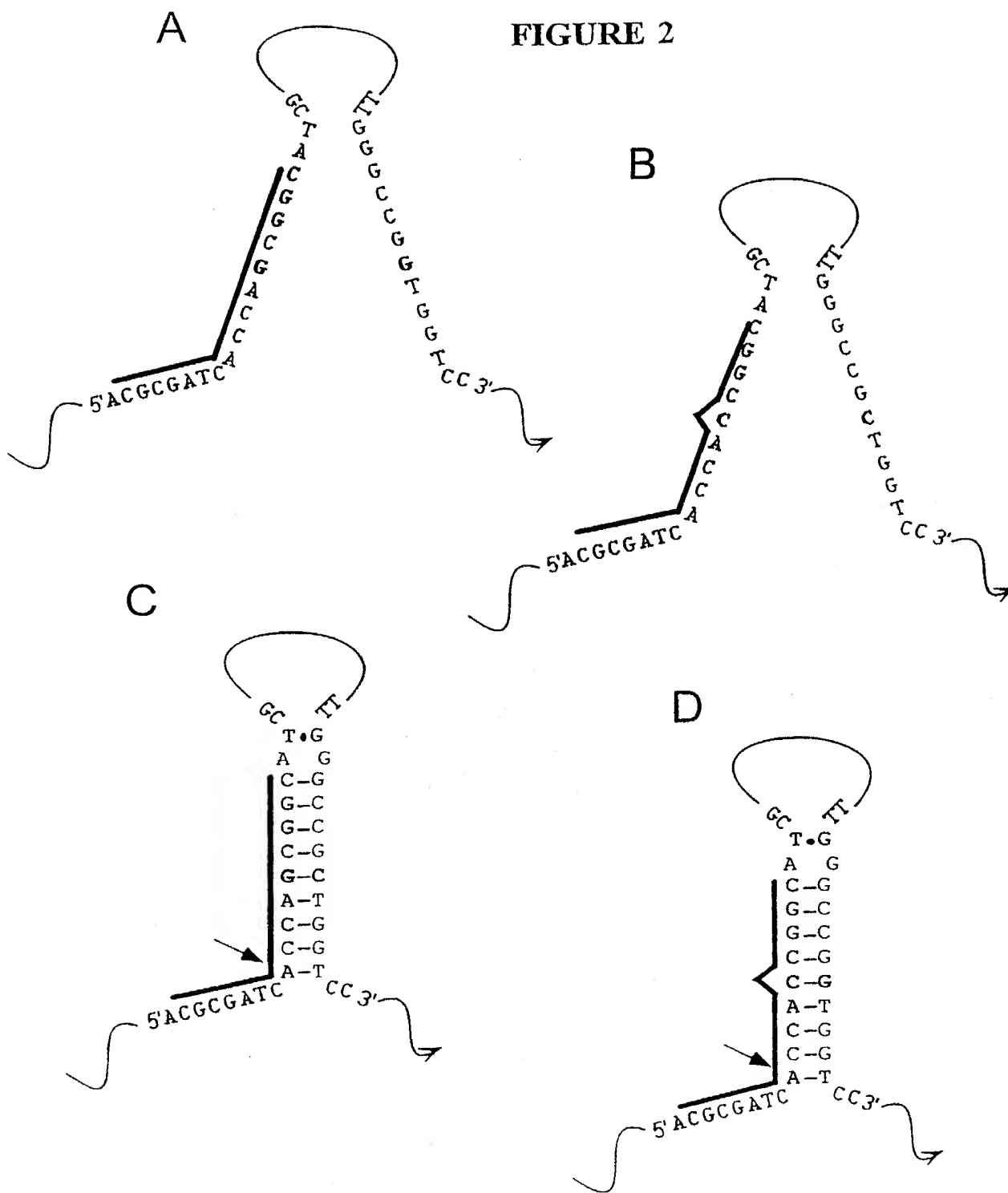


FIGURE 2



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FIGURE 3

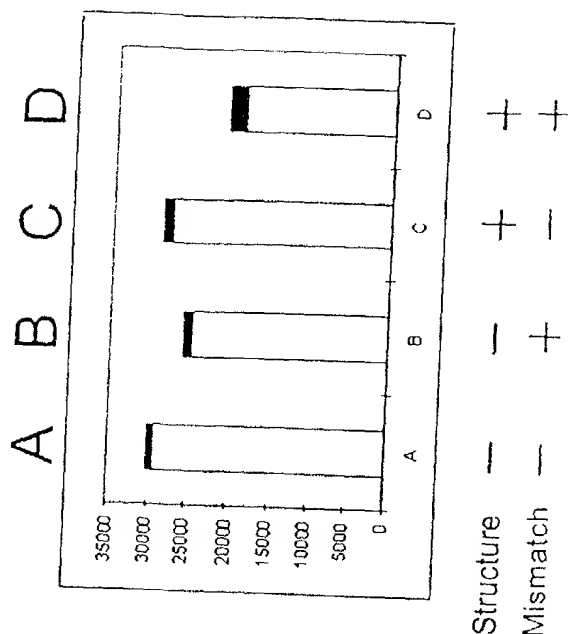
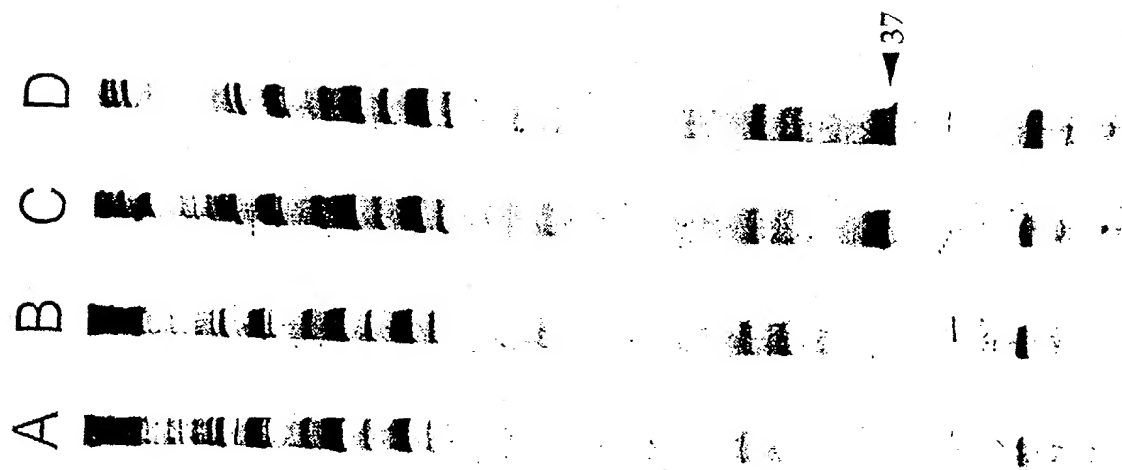


FIGURE 4

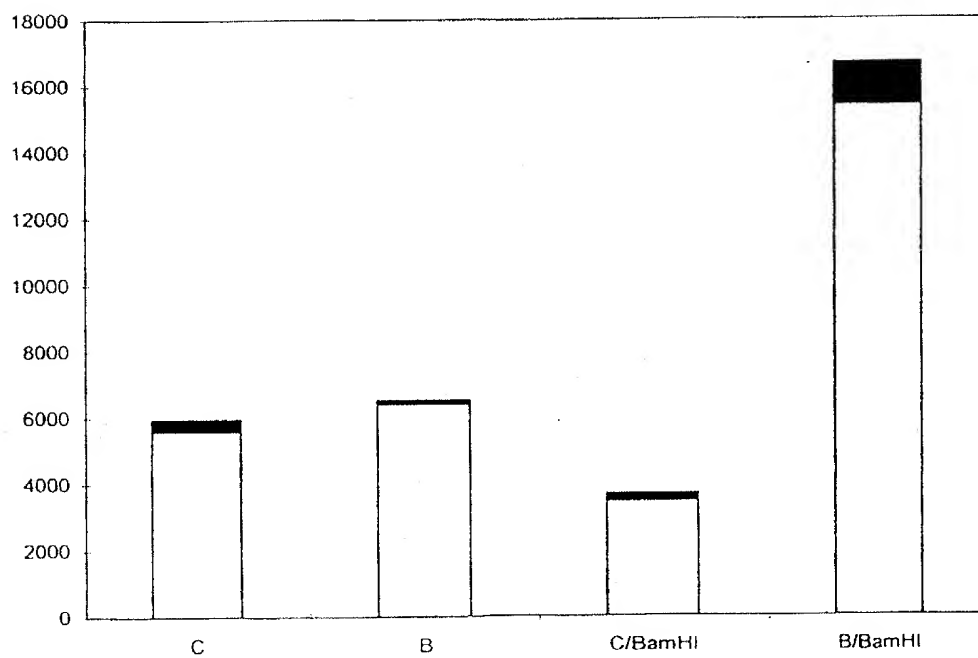
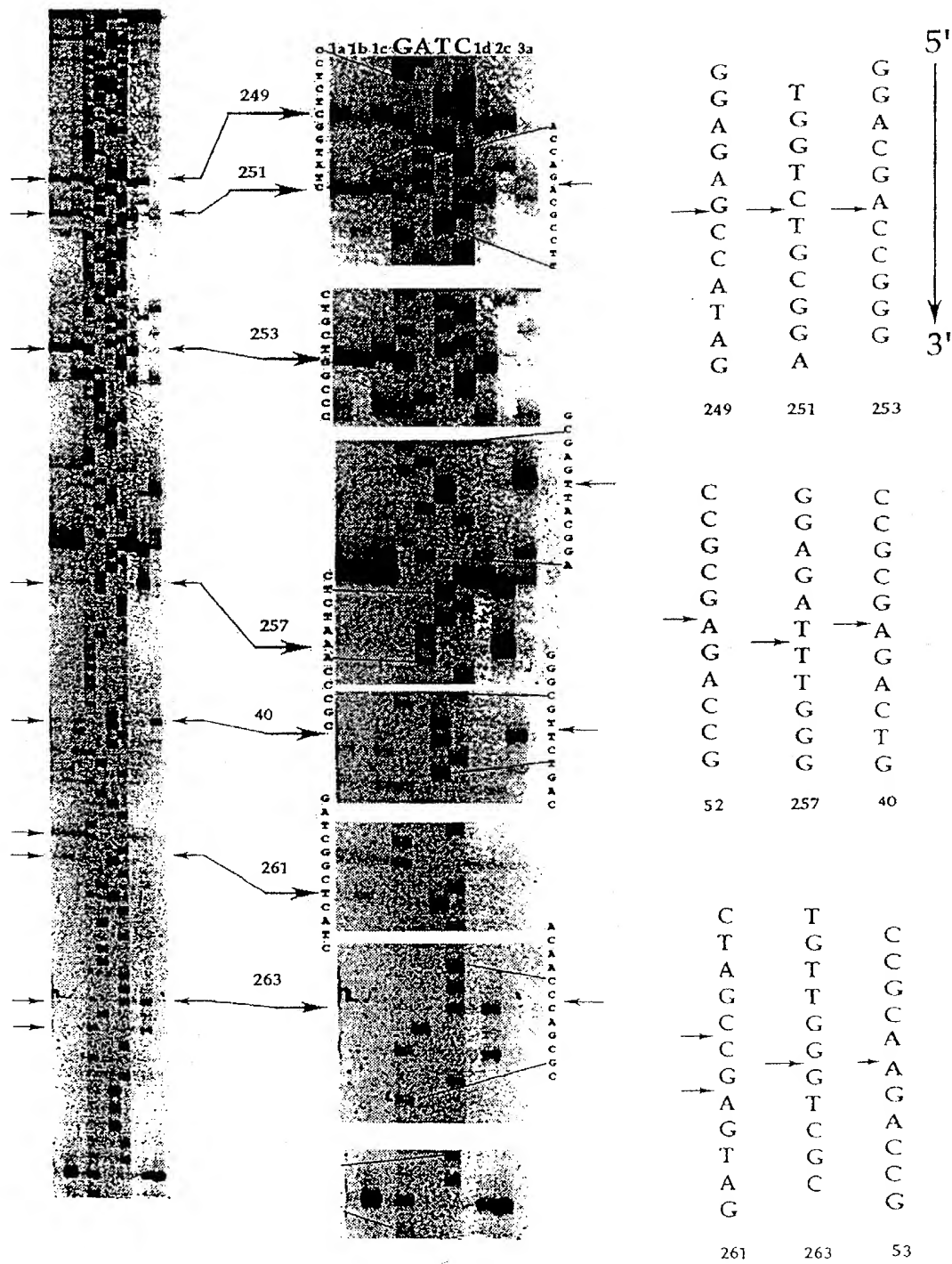


FIGURE 5



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FIGURE 6

Consensus:	GATTCTGTCT	TCACGCAGAA	AGCGTCTAGC	CATGGCGTTA	GTATAGTGT	CGTGCAGCCT
HCV 1a	-----	-----	-----	-----	-----	-----
HCV 1b	-----	-----	-----	-----	-----	-----
HCV 2c	-----	-----	-----	-----	-----	-----A
HCV 3a	-----	-----C	-----	-----	-----C	-----

	#249	#251
CCAGGACCCC	CCCTCCCGGG	<u>AGAGCCCATAG</u>
-----	-----	<u>TGGTCTGCGG</u>
-----	-----	AACCGGTGAG
-----	-----	TACACCGGAA
-----T	-----	-----
-----C	-----	-----
-----	-----	-----
-----A	-----	-----

#253	#257
TTGCCAGGAC	<u>GACCGGTCC</u>
-----	TTTCTTGAT
-----	CAACCCGCTC
-----G	-----
-----A	A-----
-----TG	-----A
-----GT	-----C
-----	-----CA
-----	-----A

#40	#261	#263
TGCCCCCGCA	<u>AGACTGCTAG</u>	<u>CCGAGTAGTG</u>
-----	-----	TTGGGTGCGG
-----G	-----	AAAGGCCTTG
-----	-----	TGGTACTGCC
-----	-----C	-----
-----G	-----T	-----
-----TCA	-----	-----
TGATAGGGTG	CTTGCAGAGTG	CCCCGGGAGG
-----	-----	TCTCGTAGAC
-----	-----	CGTGCAATC
-----	-----	-----
-----	-----A	-----
-----	-----	-----

FIGURE 7

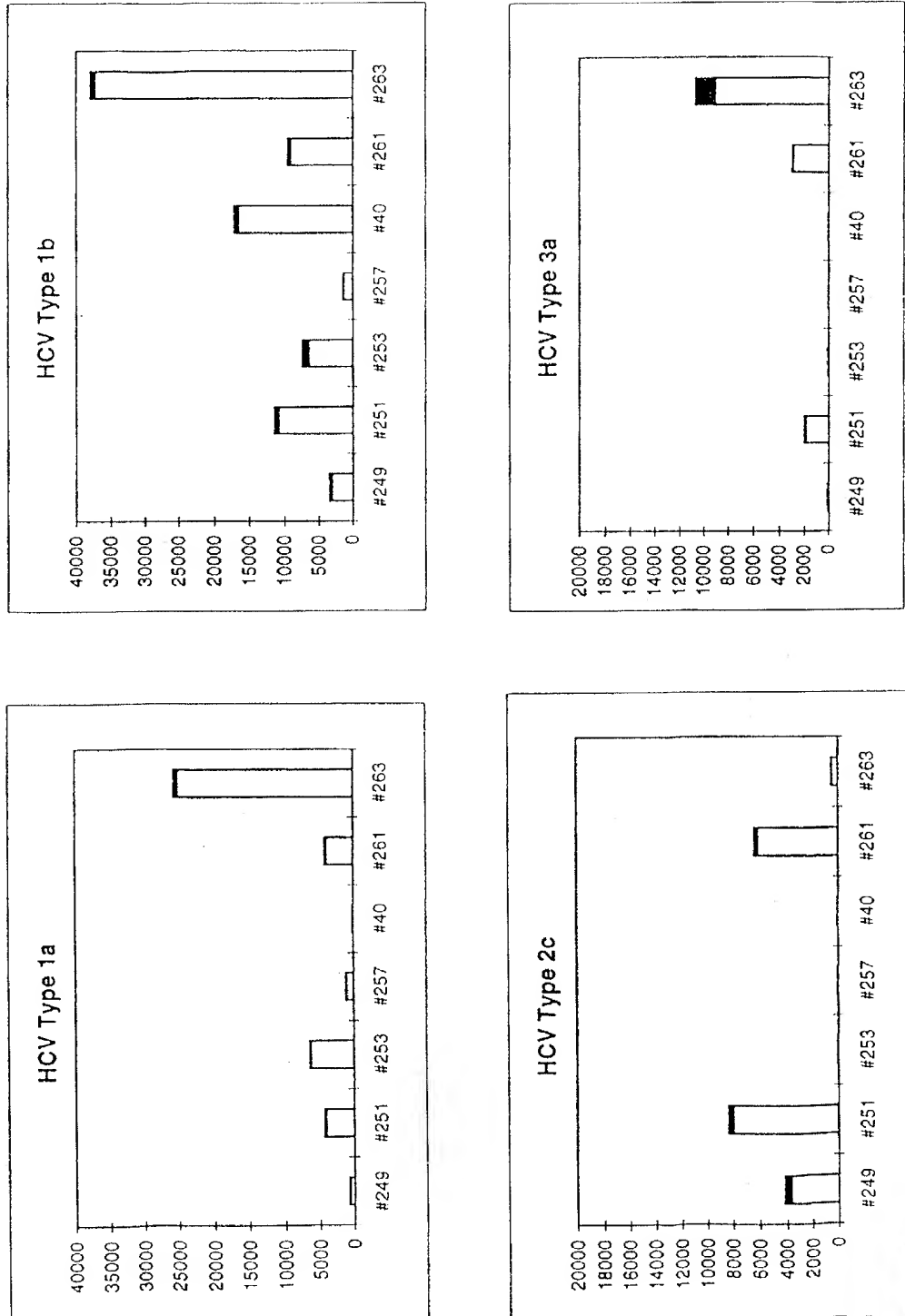
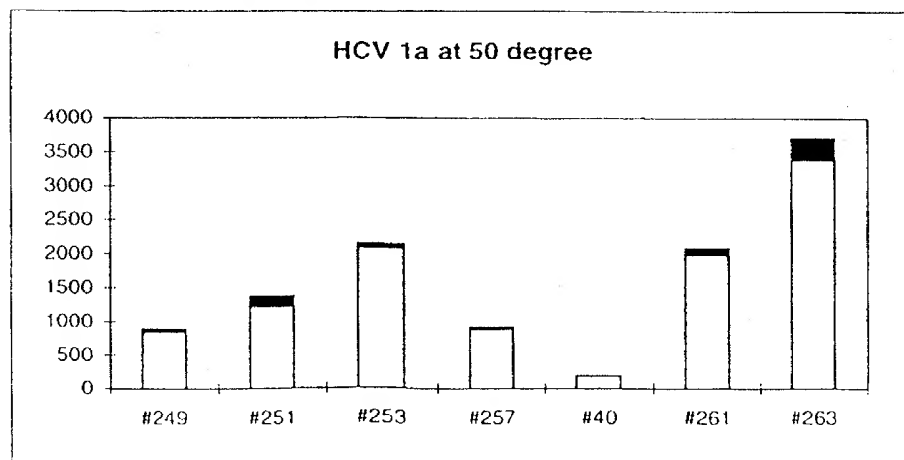
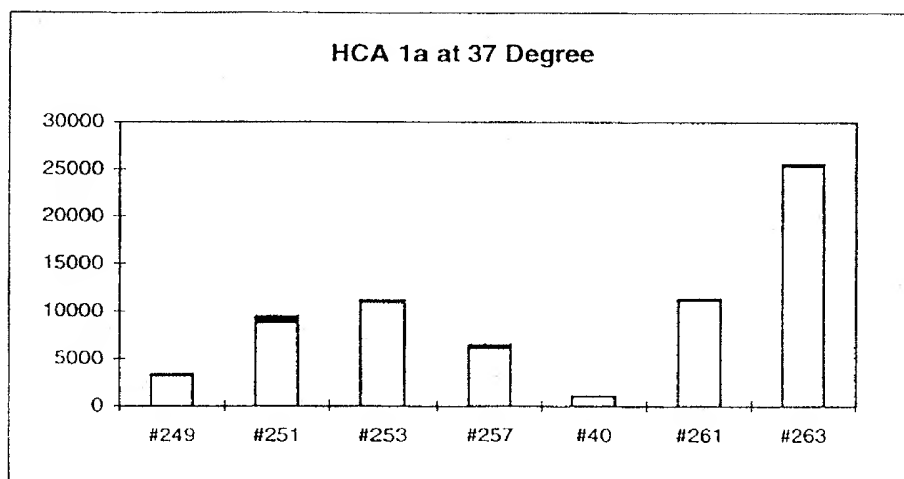
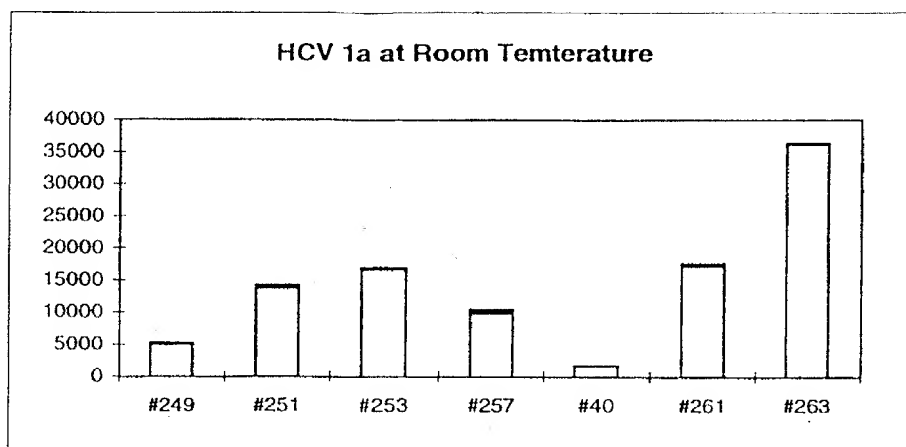
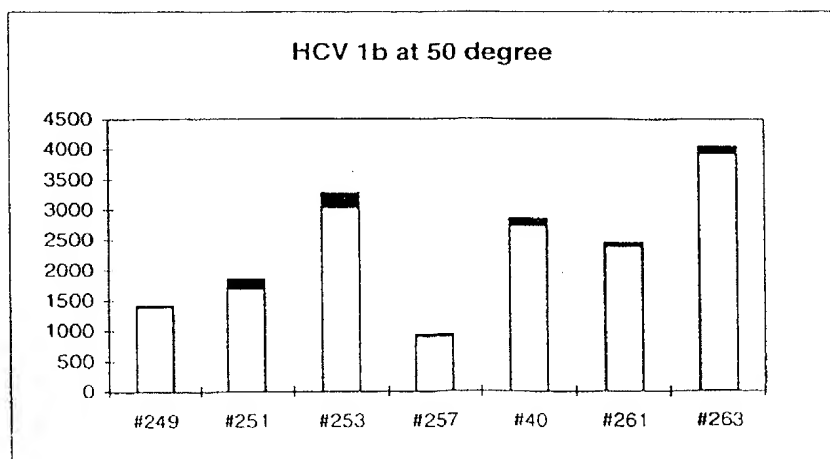
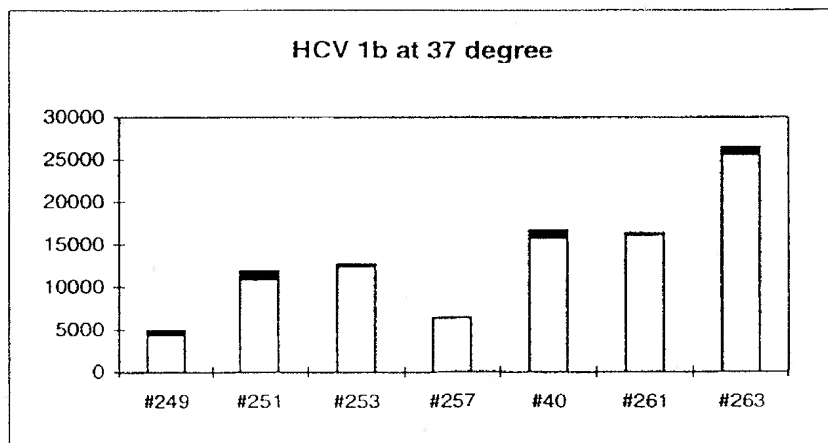
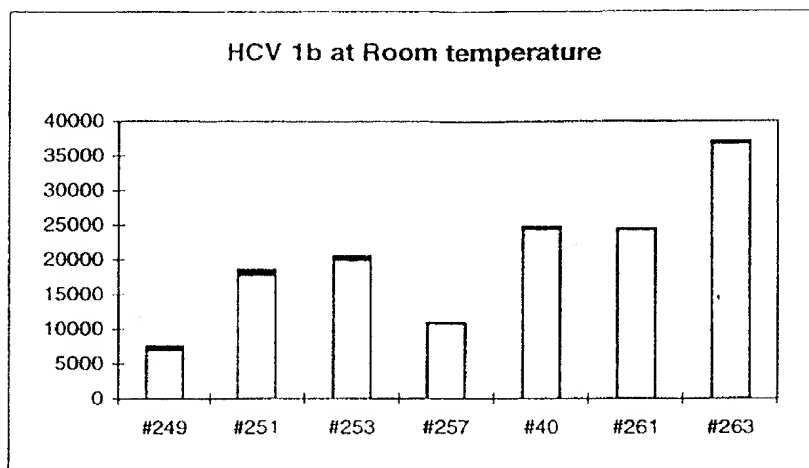


FIGURE 8A



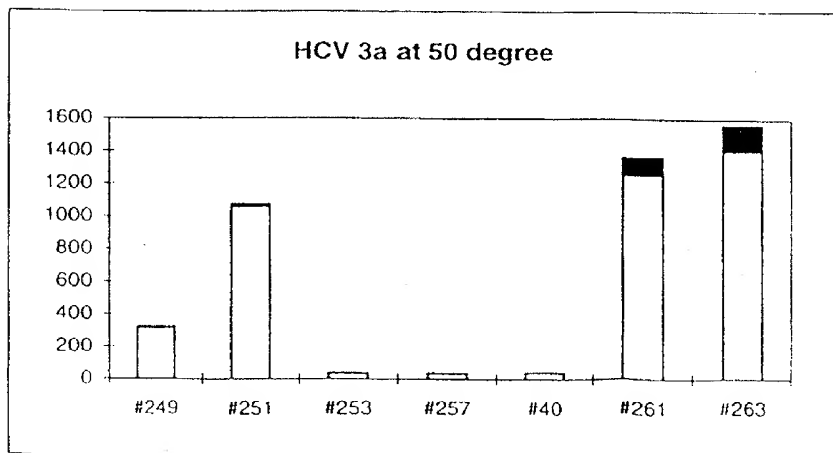
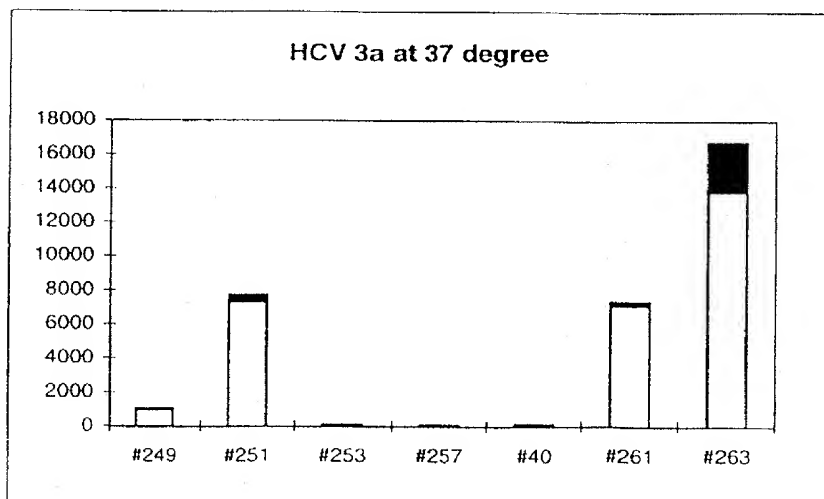
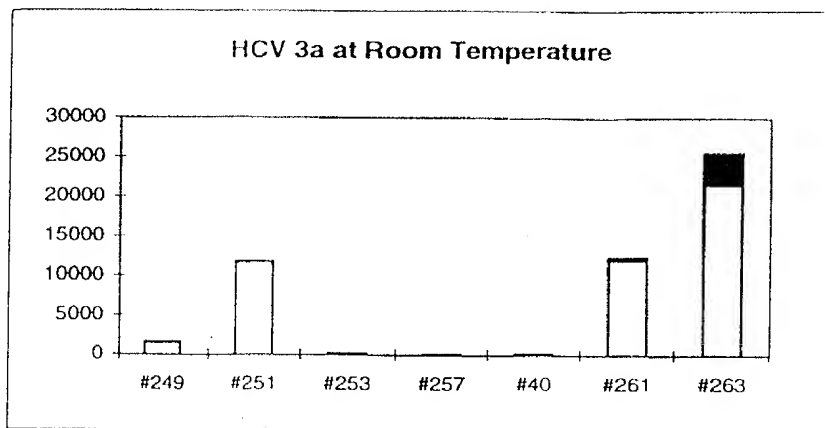
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FIGURE 8B



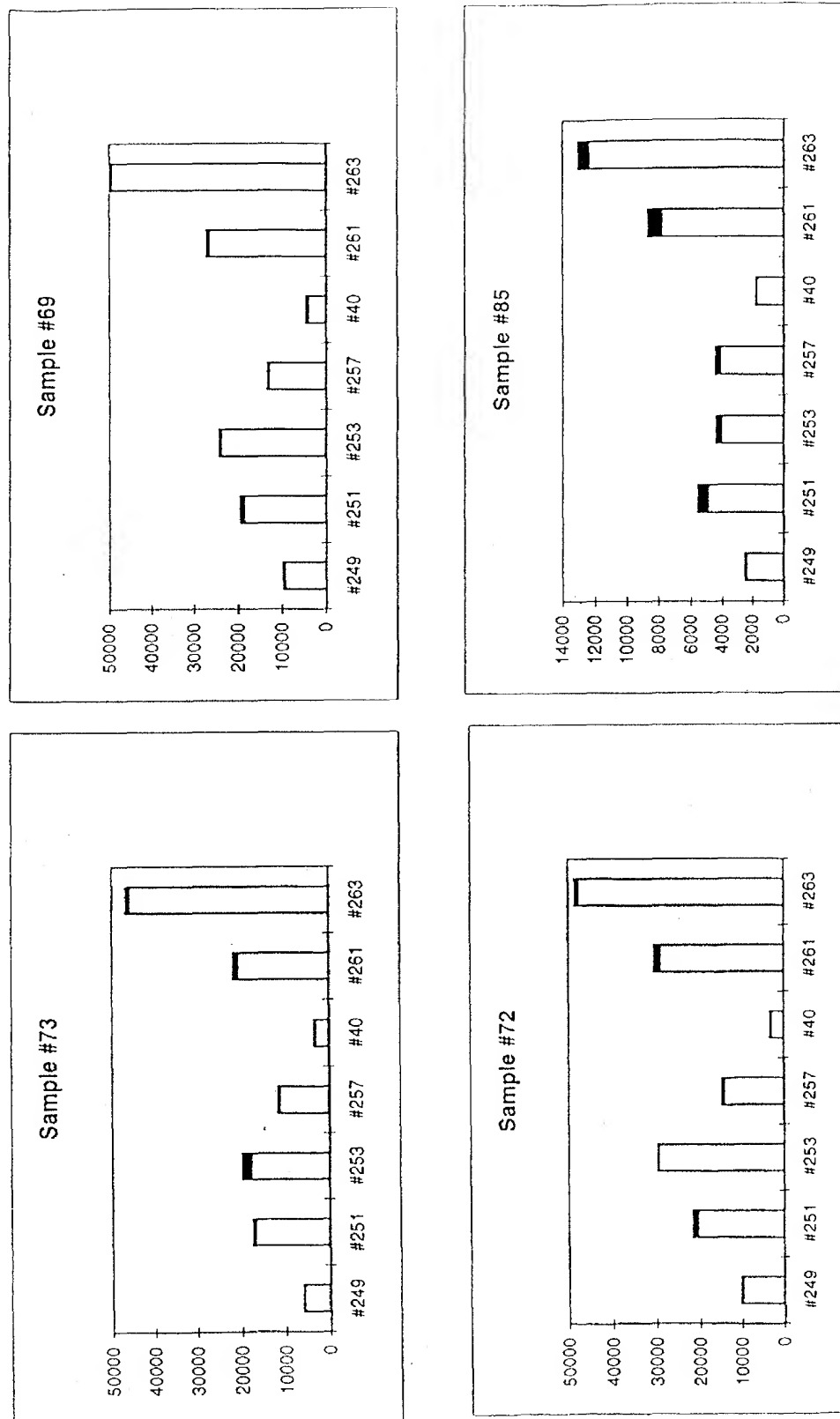
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FIGURE 8C



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FIGURE 9A



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FIGURE 9B

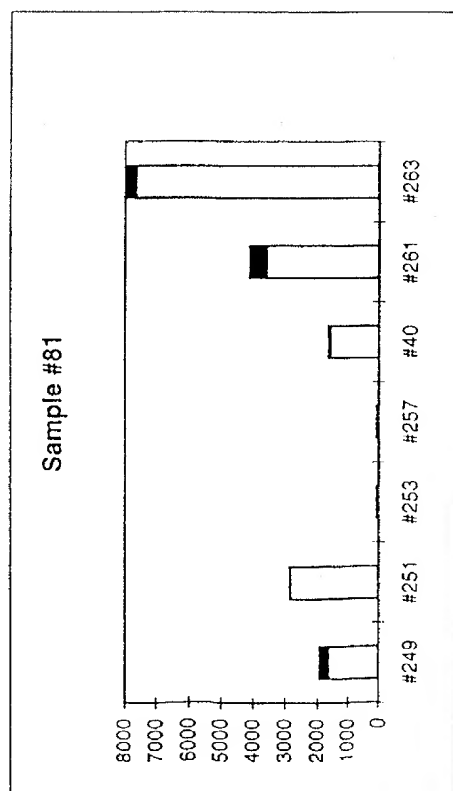
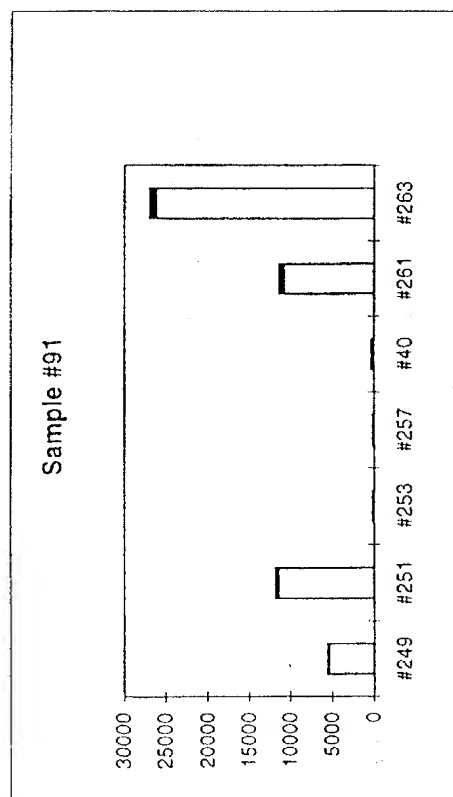
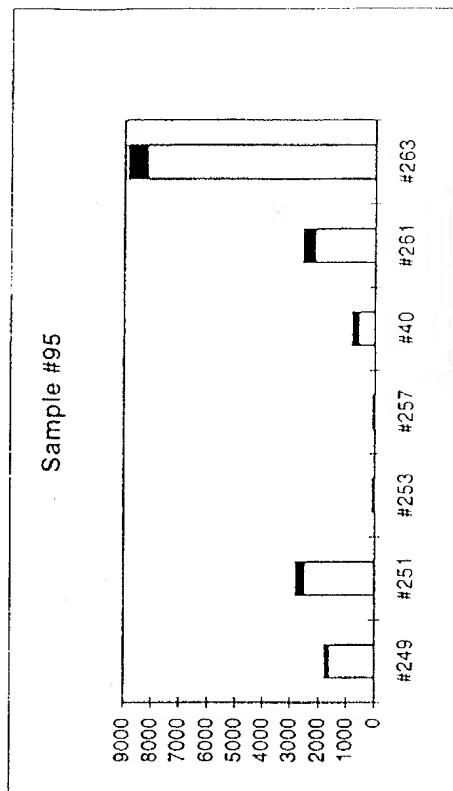


FIGURE 9C

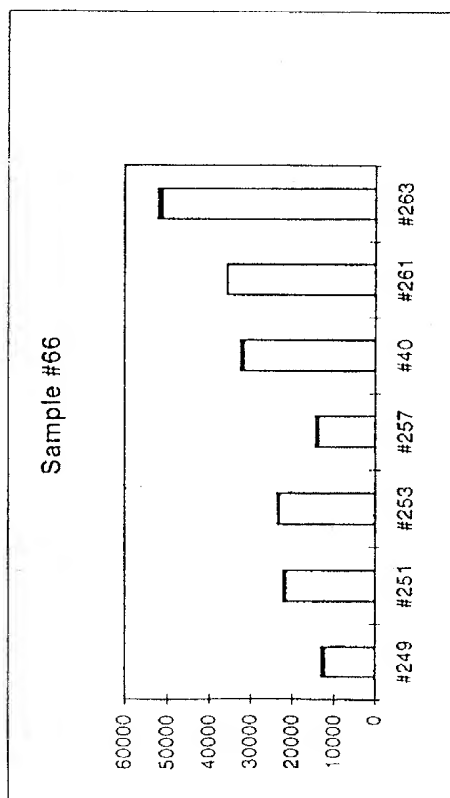
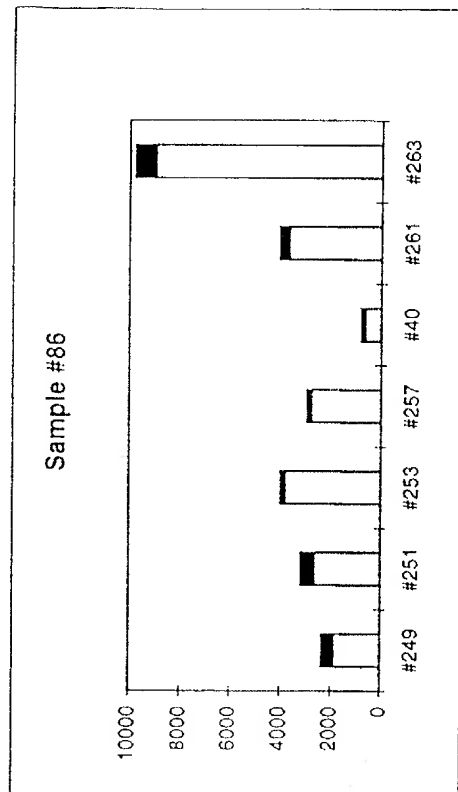


FIGURE 9D

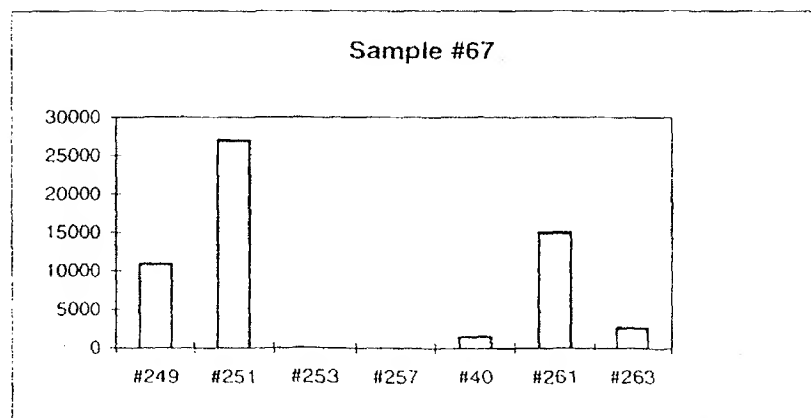
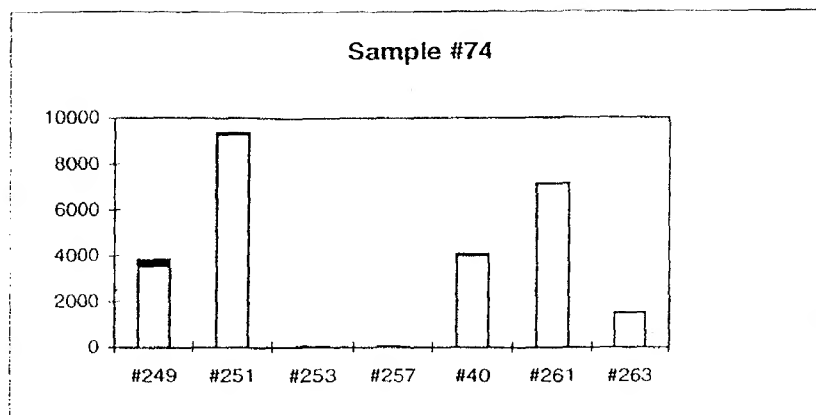
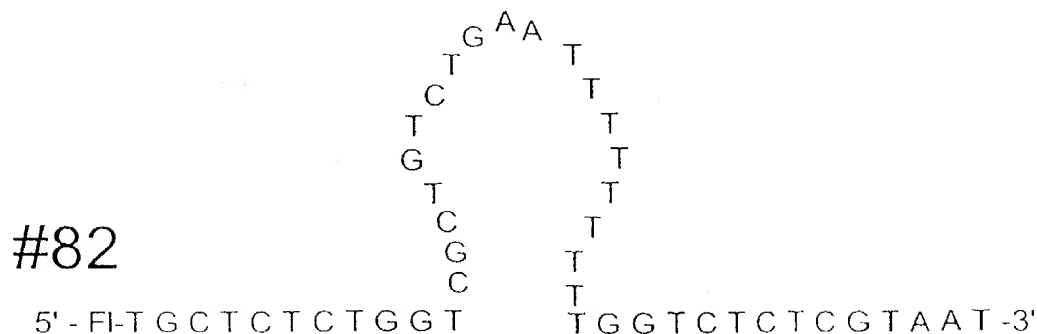
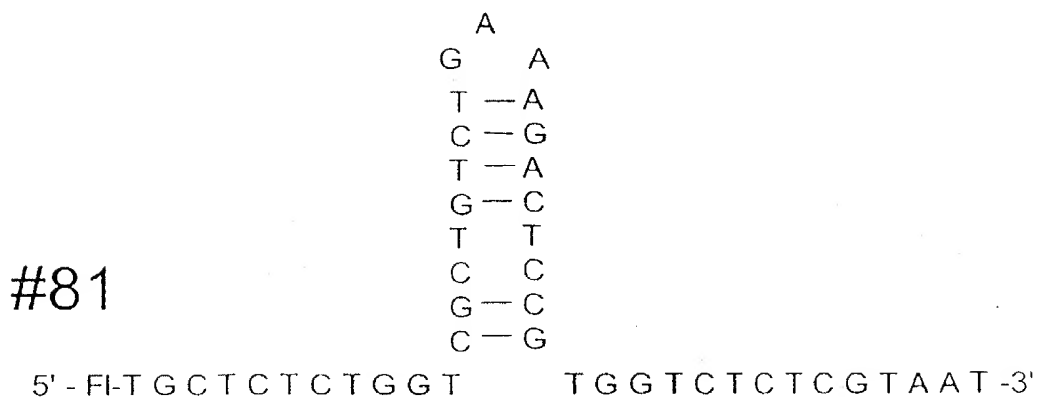
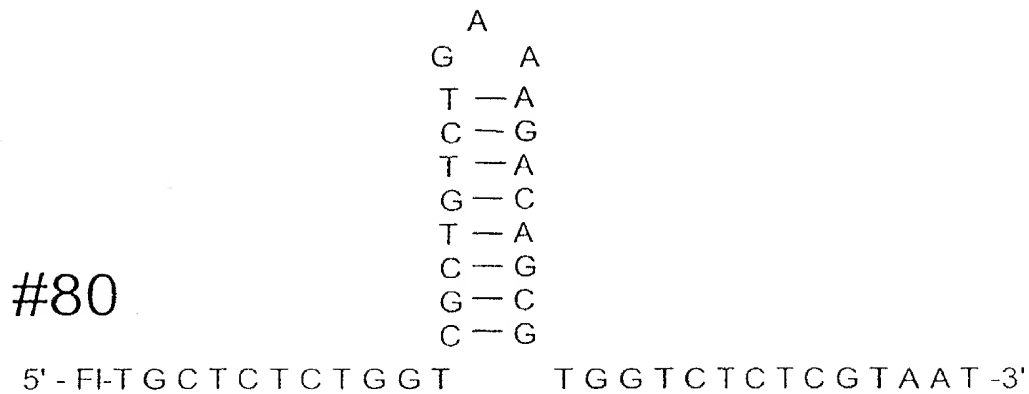


FIGURE 10



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FIGURE 11A

#2) 5' Biotin

	I	
	T	A
C	G	A
A	T	A
G	C	G
A	T	A
C	G	C
A	T	A
G	C	G
C	G	C
G	C	G

#80) 5' - FI-TGCTCTCTGGT TGGTCTCTCGTAAT -3'

#FD91) 3' Biotin - CGAGAGACCA - 5'

	A
G	A
T	A
C	G
T	A
G	C
T	A
C	G
G	C
C	G

#80) 5' - FI-TGCTCTCTGGT TGGTCTCTCGTAAT -3'

#78) 3' - AGACCATTACCAGA -Biotin 5'

#4) 3' - GAGACCATTACCAGAG -Biotin 5'

#79) 3' - AGAGACCATTACCAGAGA -Biotin 5'

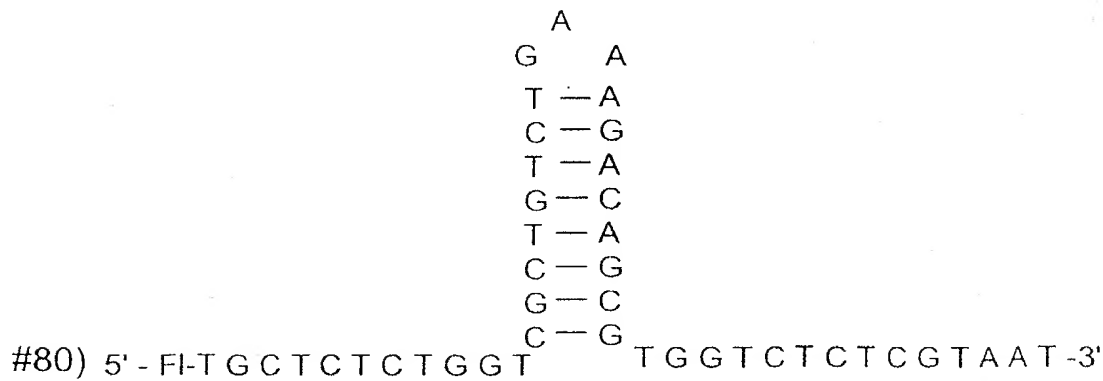
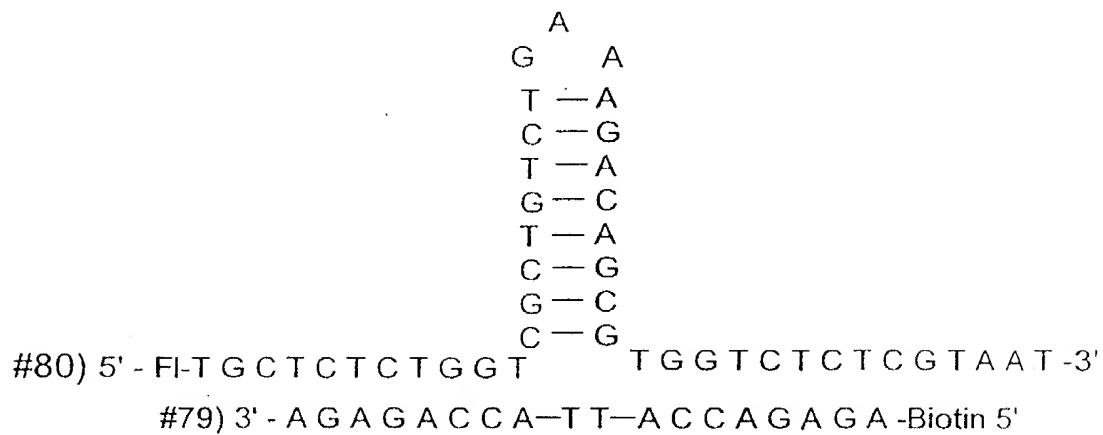


#116) 3' - AGAGACCAACCAGAGA -Biotin 5'

#117) 3' - TACCAGAGA -Biotin 5'

#118) 3' - AGAGACCAT - 5'

FIGURE 11B



3' - AGAGACCA ACCAGAGA -Biotin 5'

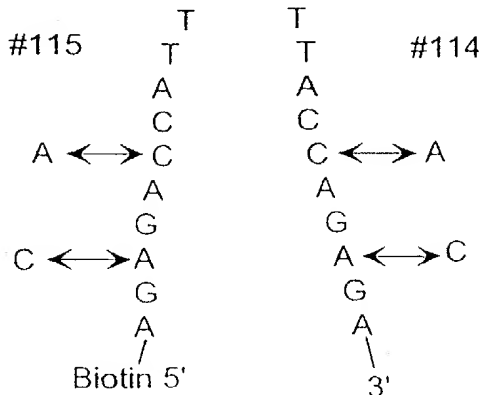
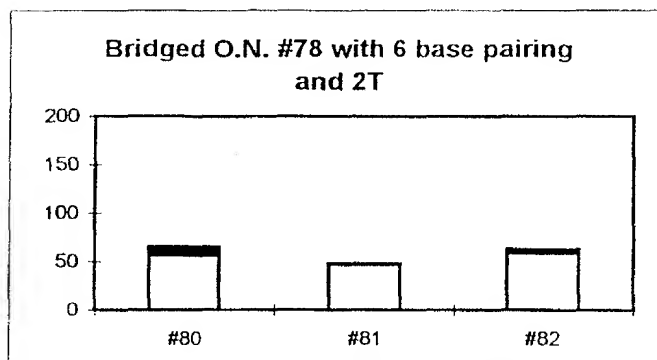
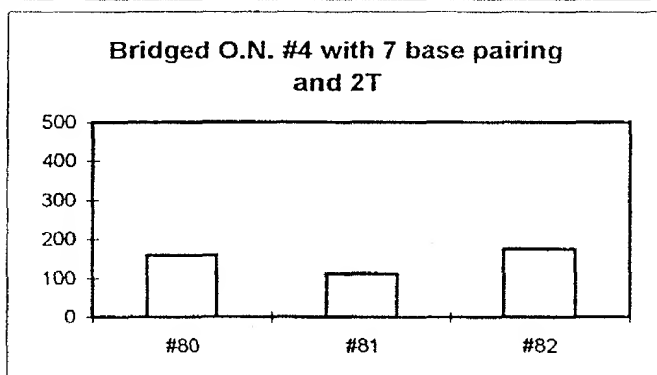


FIGURE 12

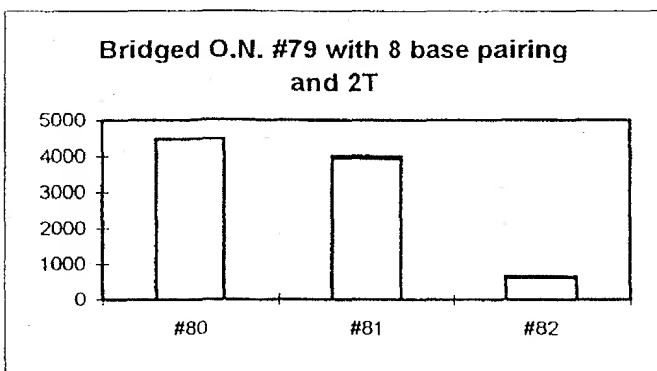
A.



B.



C.



D.

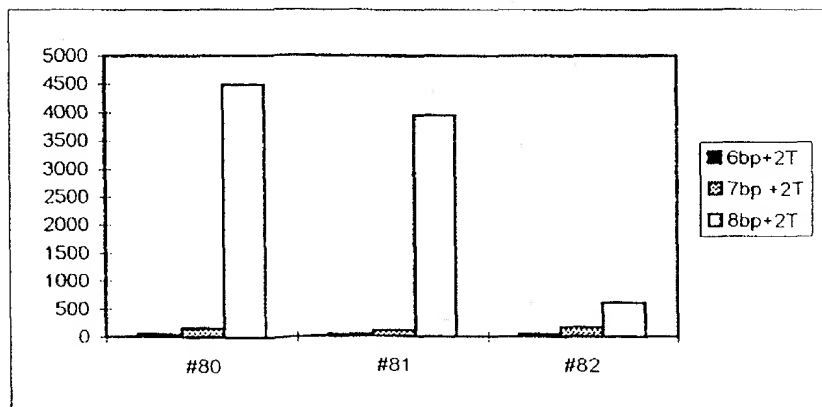


FIGURE 13A

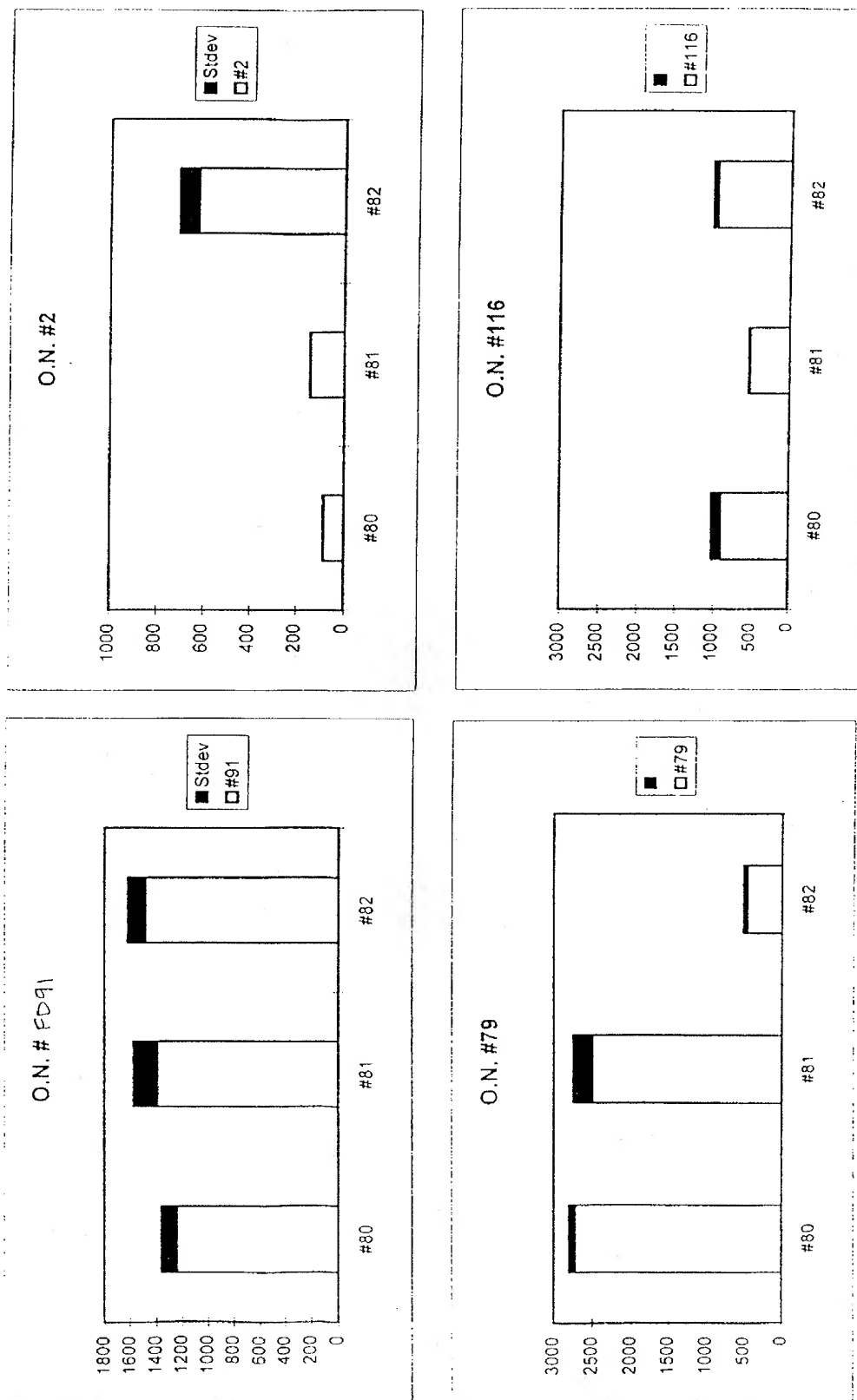


FIGURE 13B

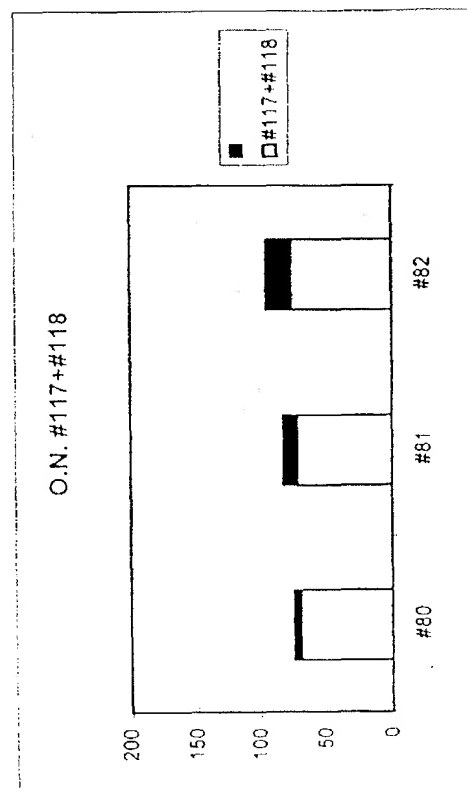
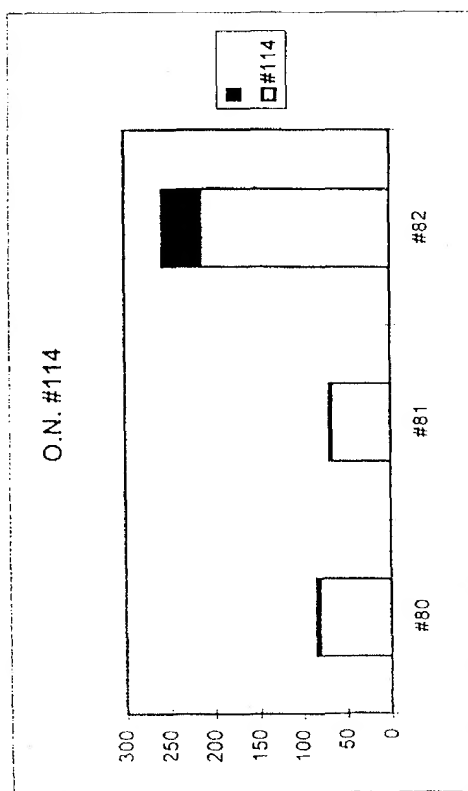
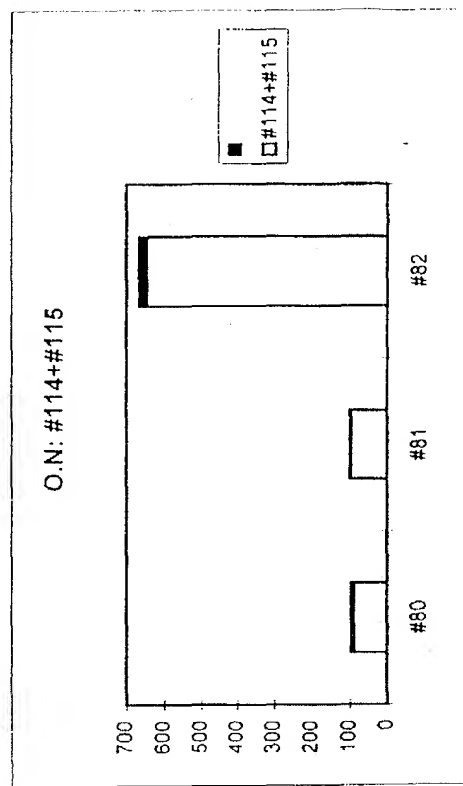
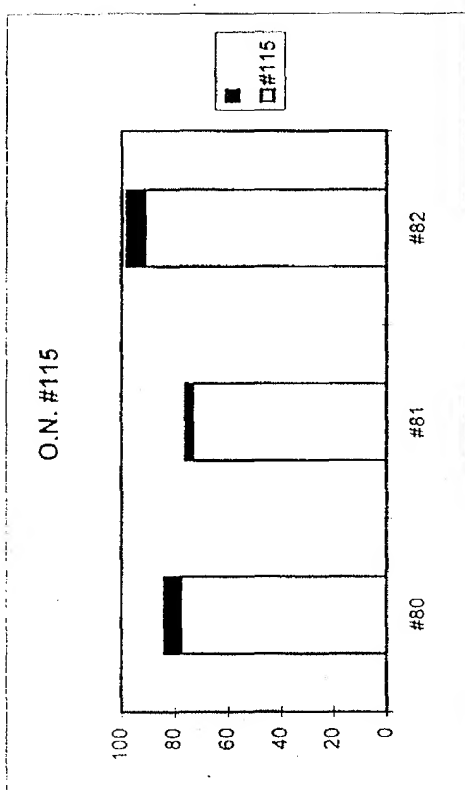
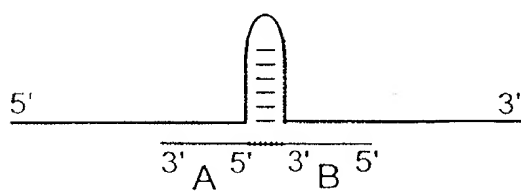
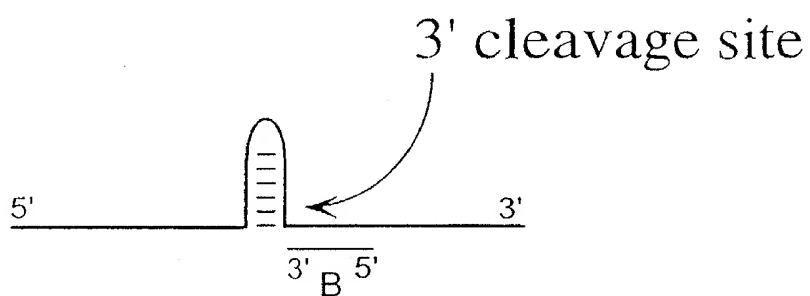
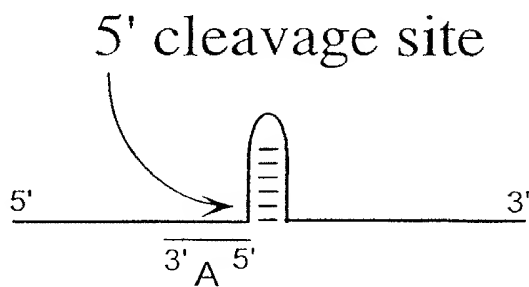


FIGURE 14



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FIGURE 15

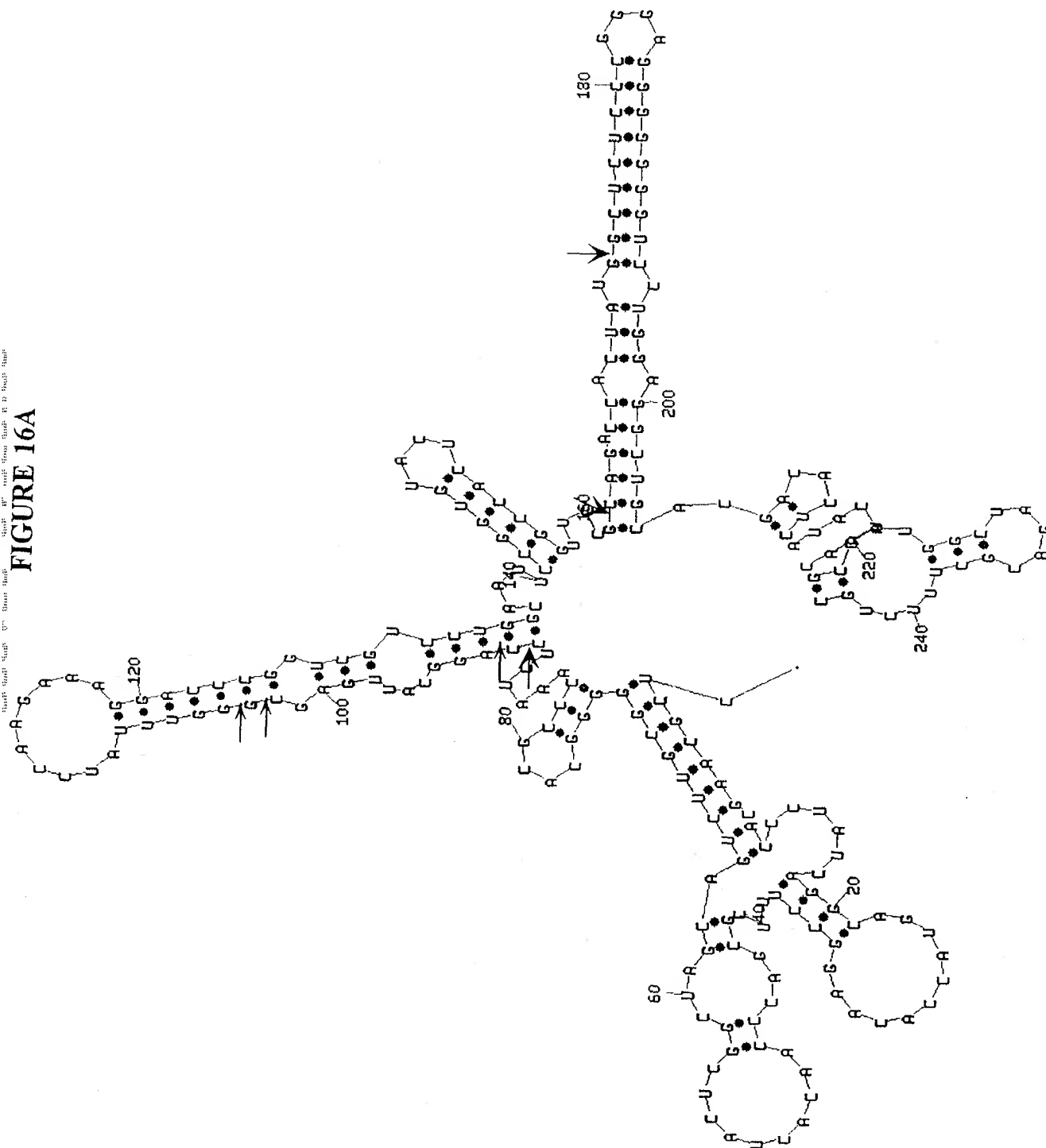
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1-----10-----20-----30-----40-----50-----60-----70-----80
CTCGAAGCACCCCTATCAGGCAGTACCACAAGGCCTTTCCGGACCCCAACTACTCGGCTAGCAGTCTTGGGGGGCAGG
1a
1b
2a/c
3a
TGA..C
-----90-----100-----110-----120-----130-----140-----150-----160
CCCAAATCTCCAGGCATTGAGCGGGTTATCCAAAGAGGACCCGGTCGTCCTGGCAATTCCGGTGTACTCACCGGTTCC
1a
1b
2a/c
3a
T..T..T..GT..AC..CA..G..
-----170-----180-----190-----200-----210-----220-----230-----240-----
GCAGACCACTATGGCTCTCCCGGGAGGGGGGTCCCTGGAGGCTGCACGACACTCATACTAACGCCCATGGCTAGACGCTTCTTGC
1a
1b
2a/c
3a

```

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FIGURE 16A



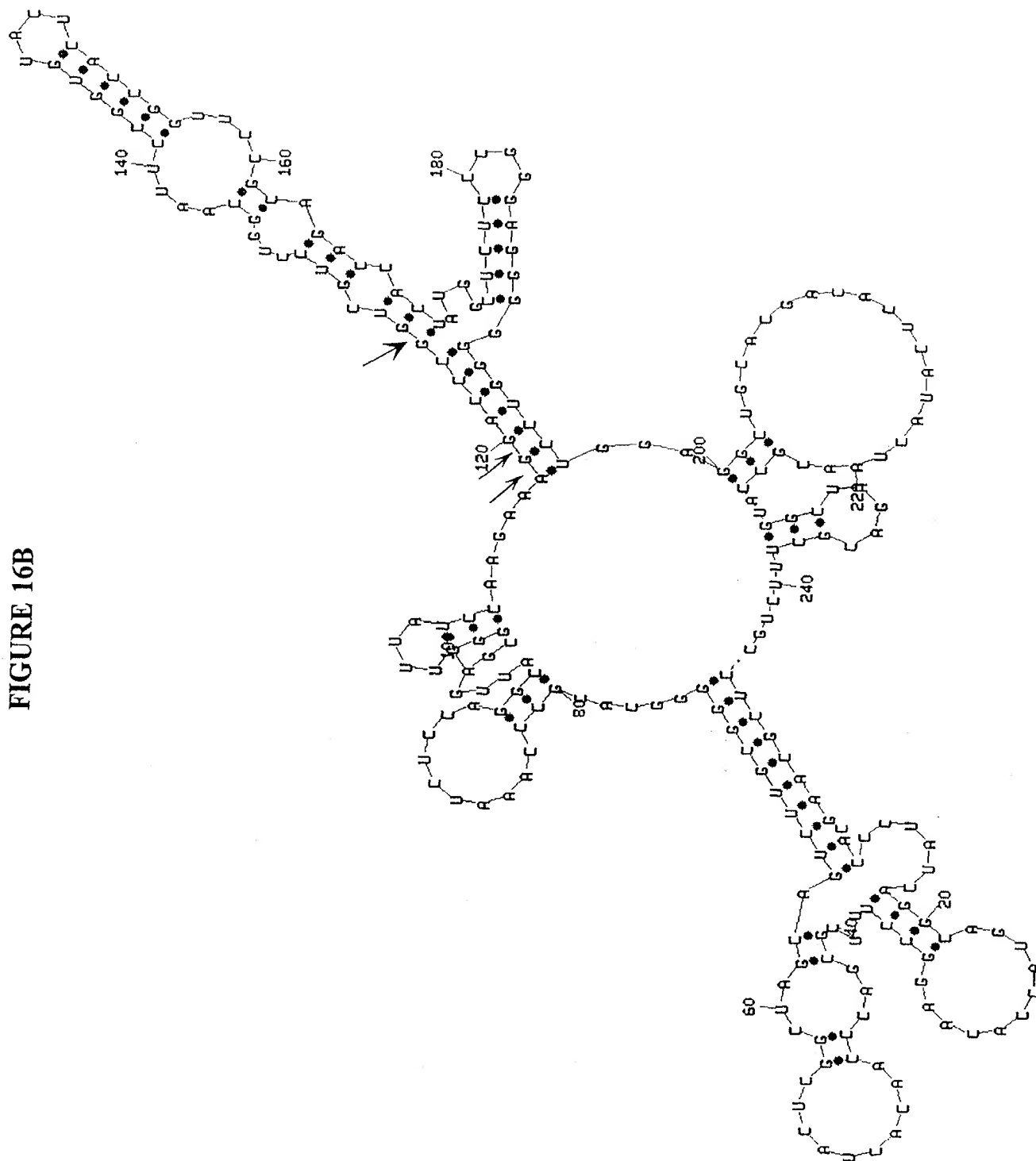
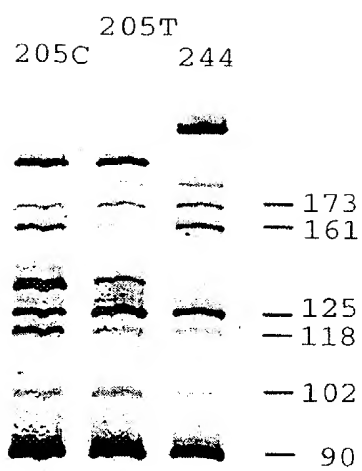


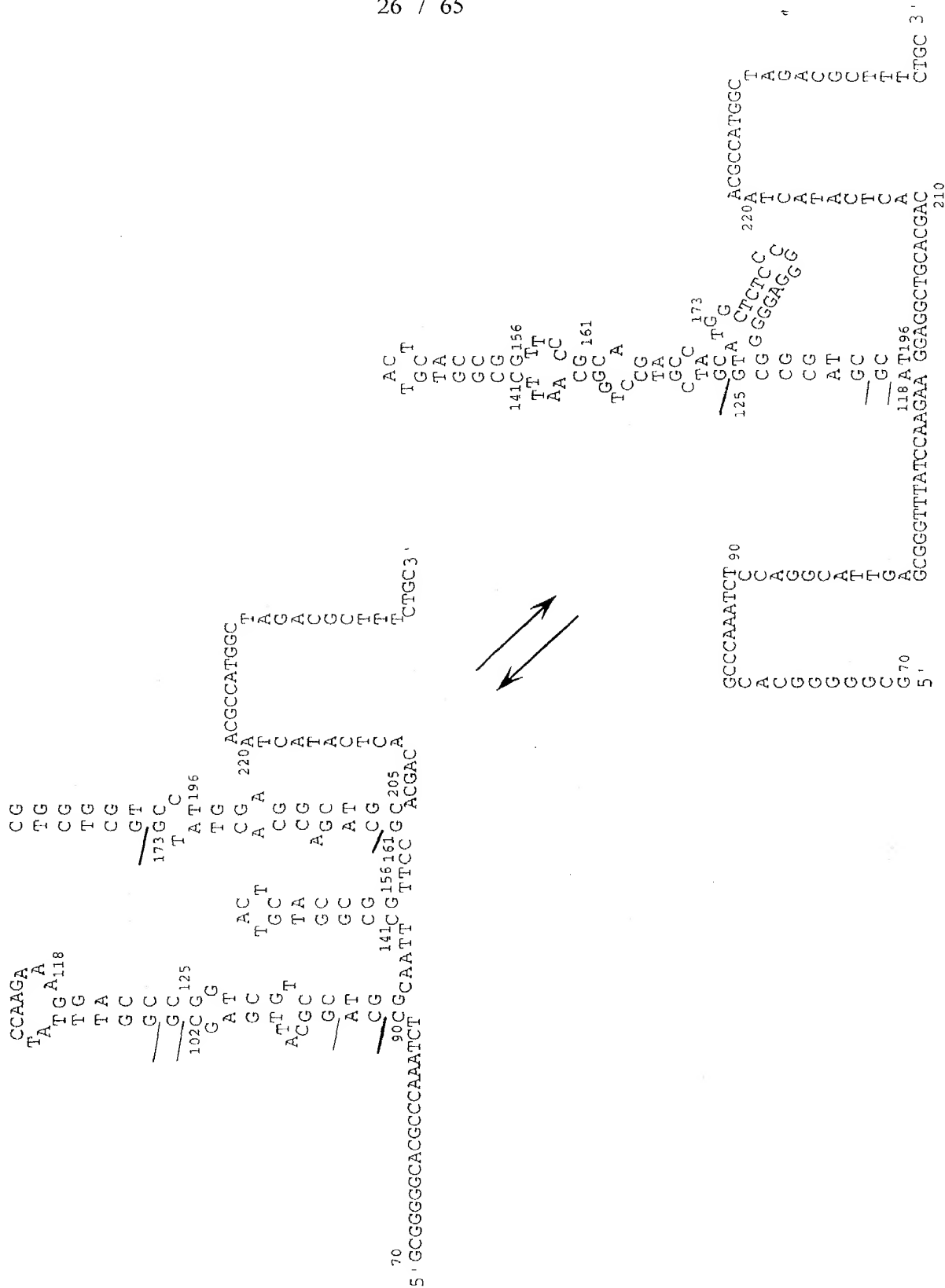
FIGURE 17A



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CC

FIGURE 17B



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FIGURE 17C

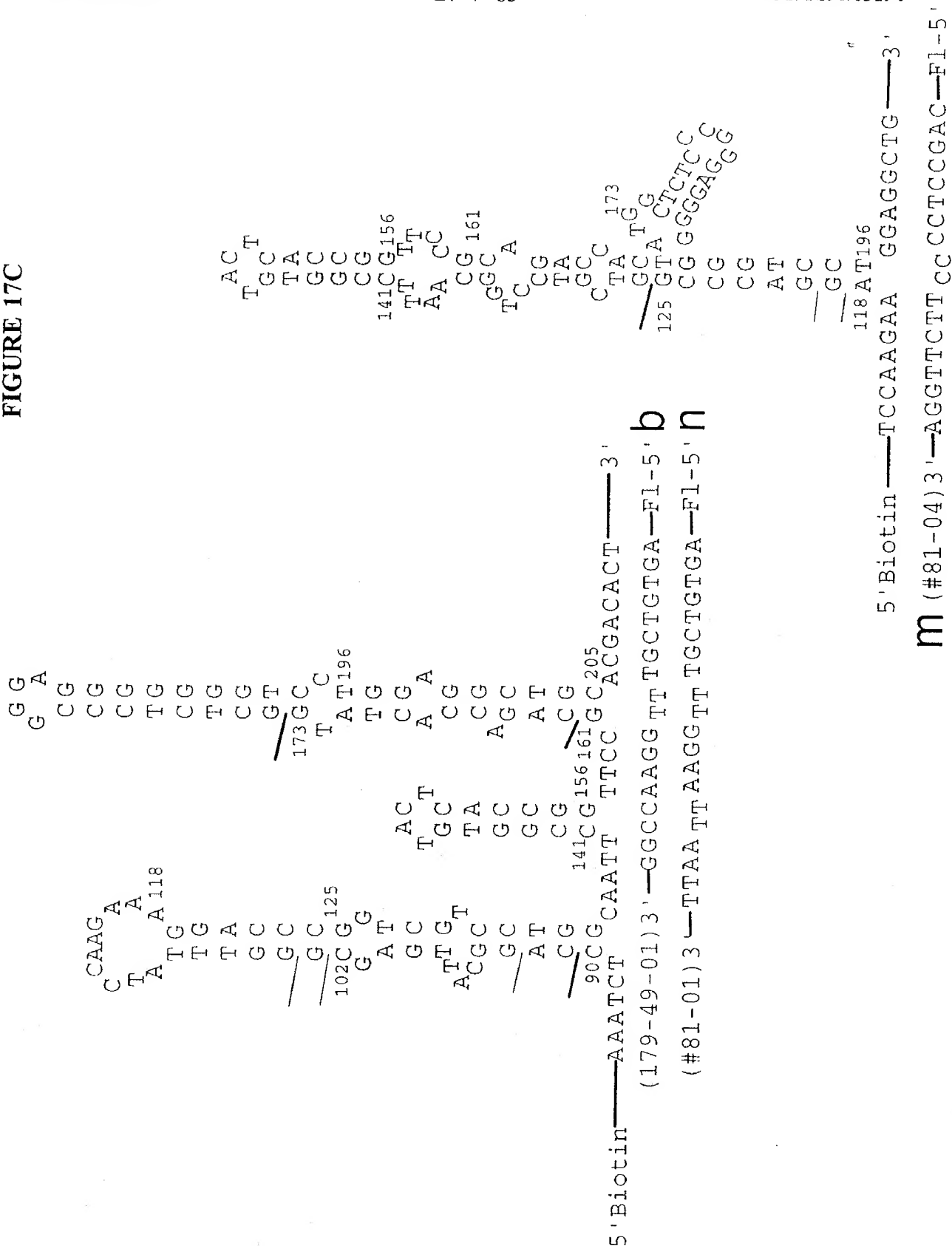
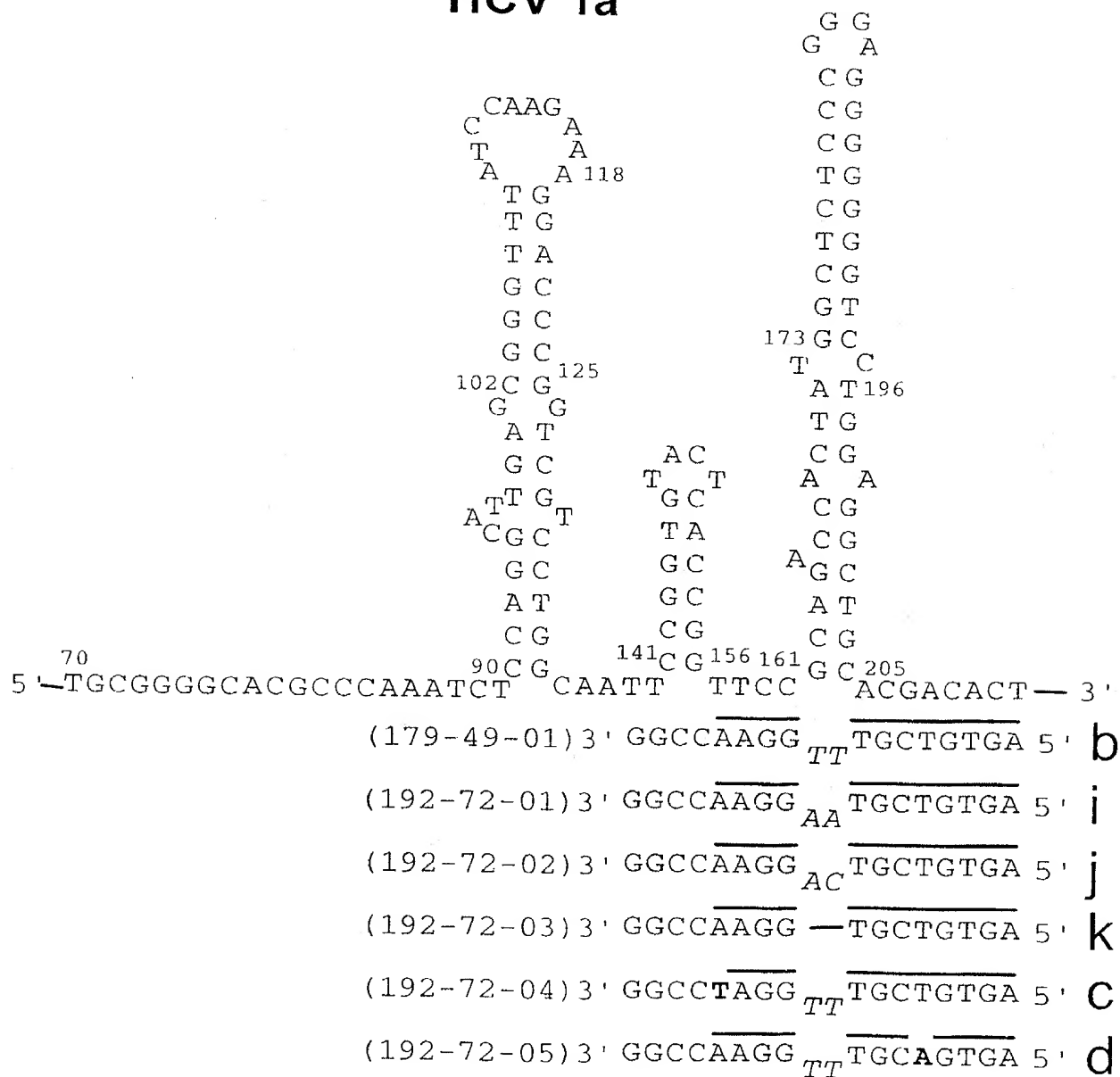


FIGURE 18A

HCV 1a



HCV 1b

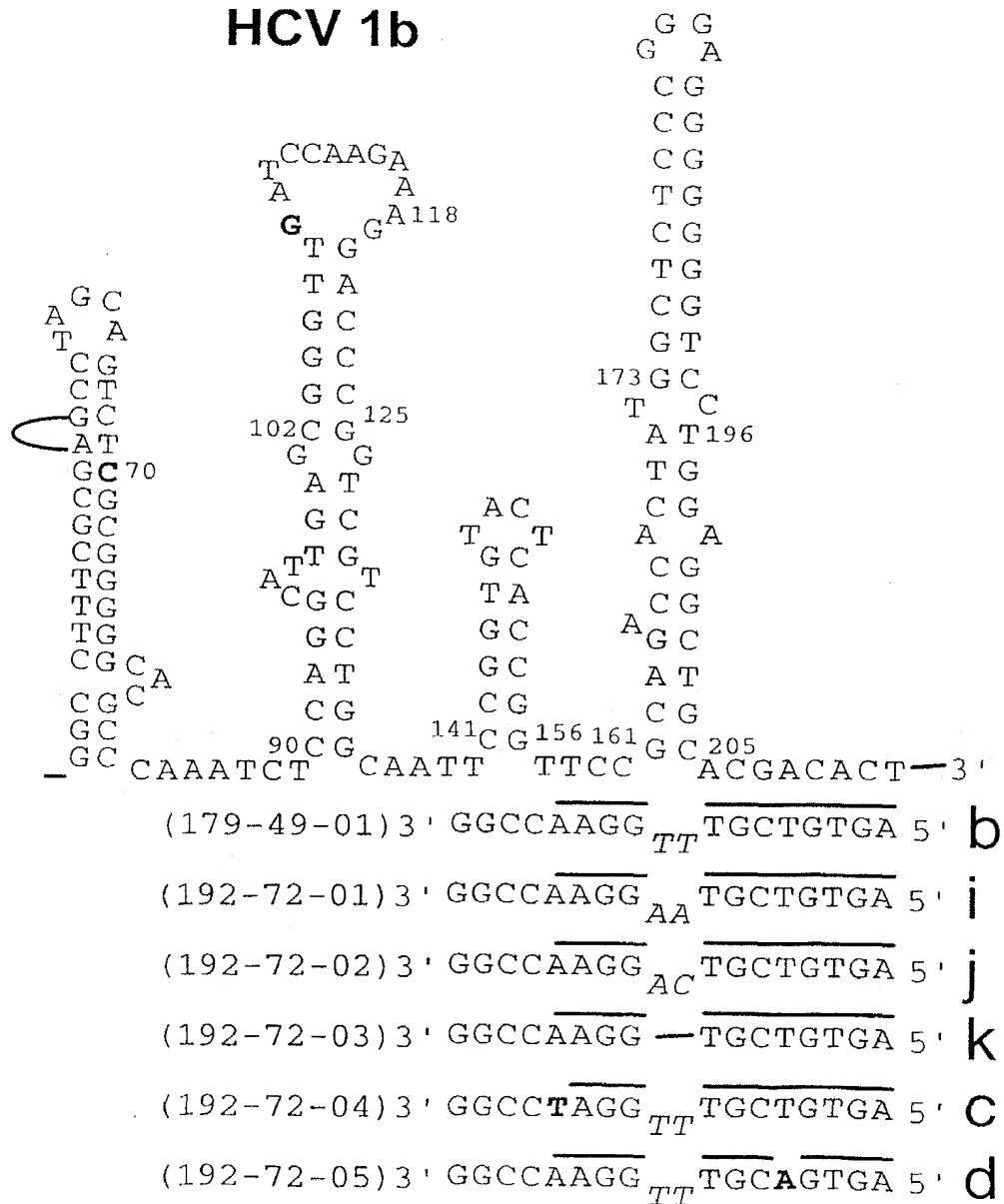


FIGURE 18C

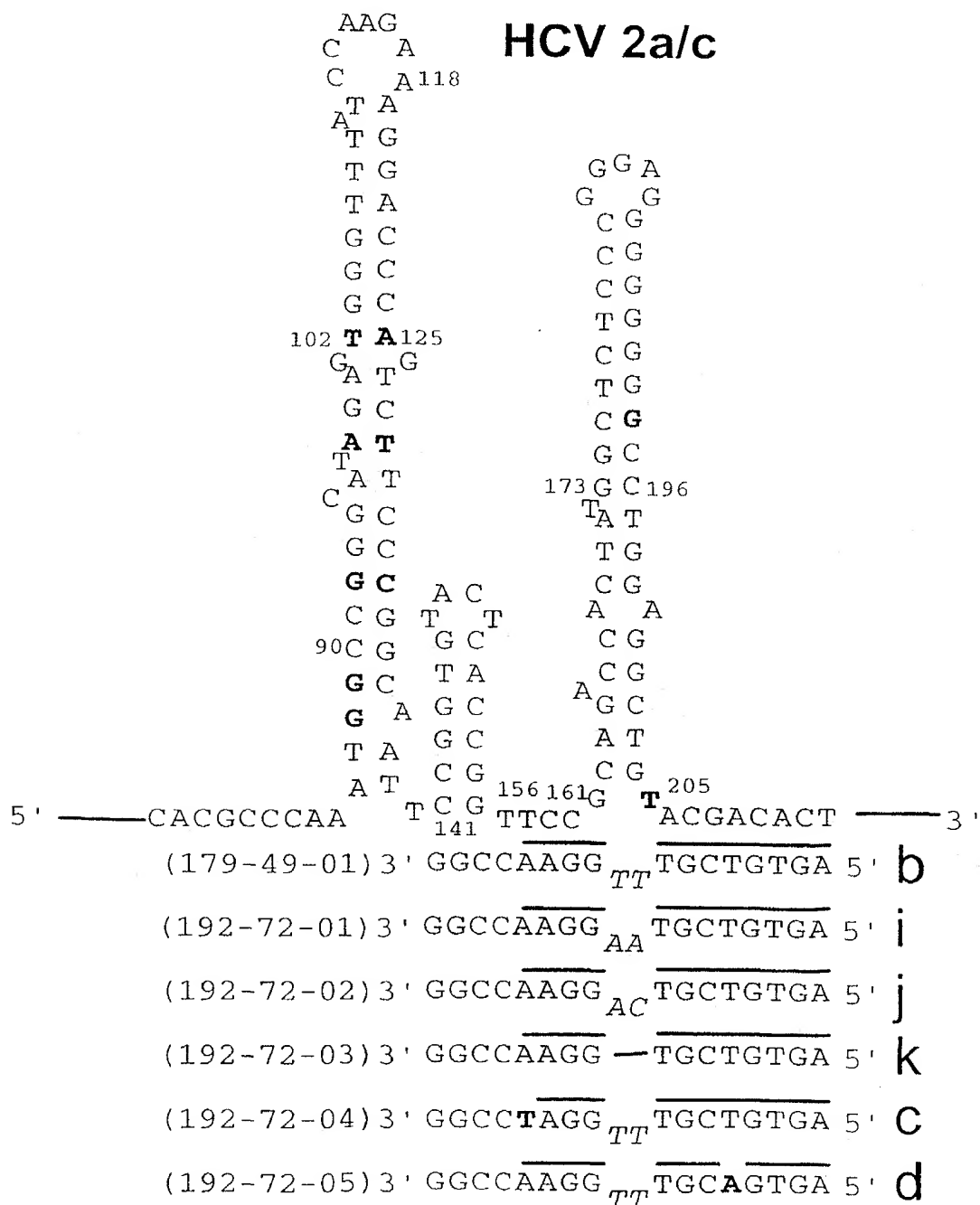
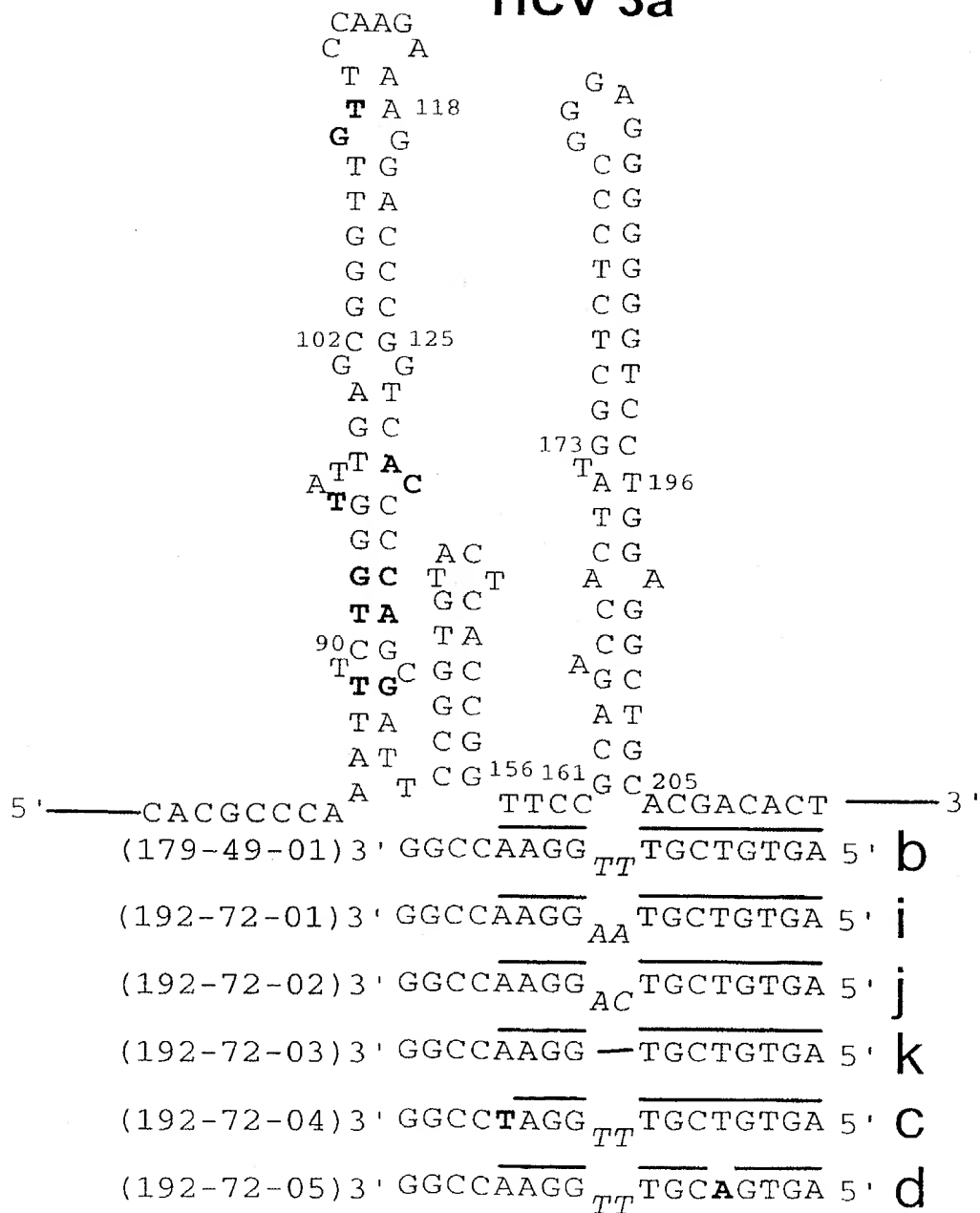


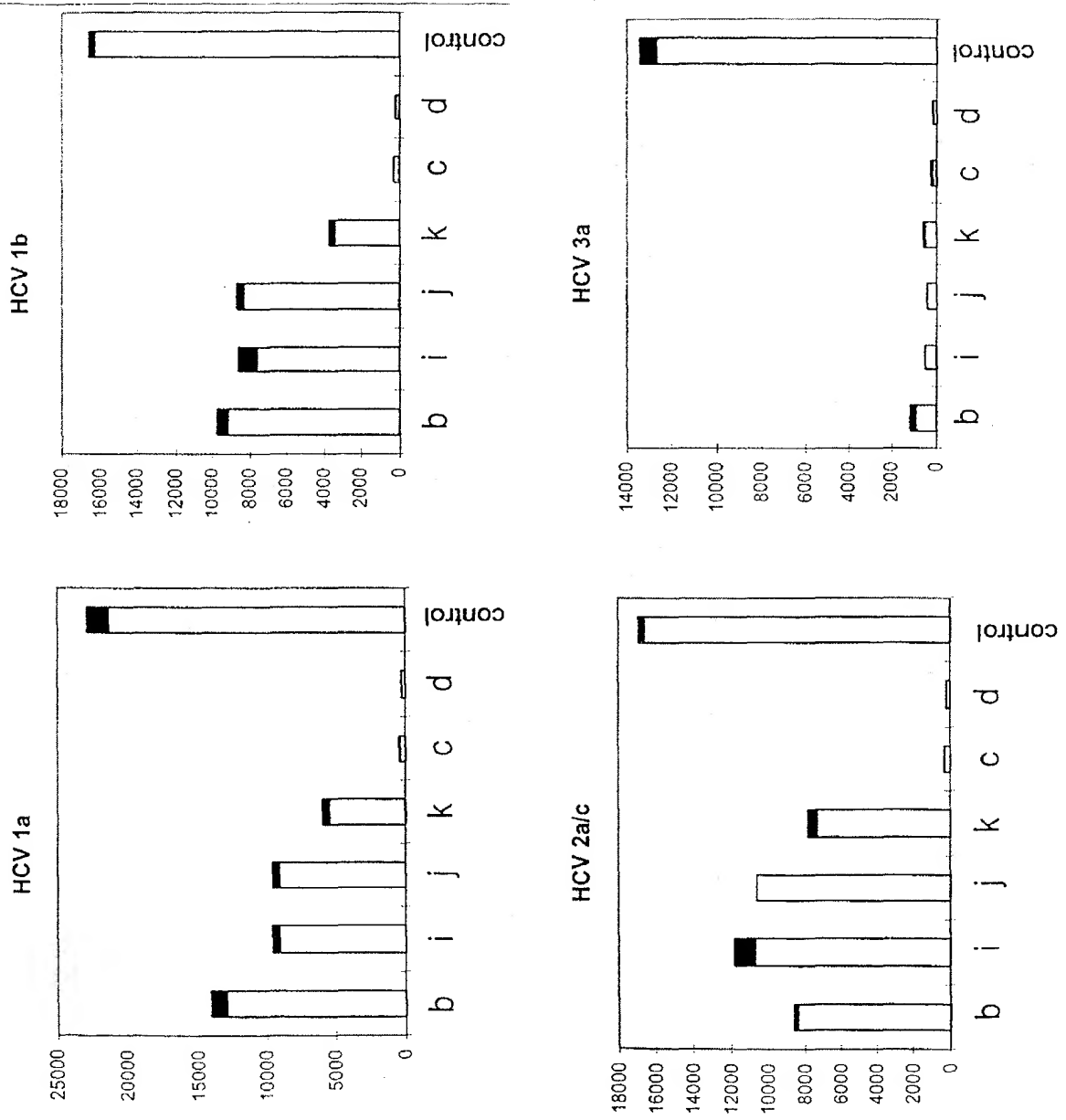
FIGURE 18D

HCV 3a



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FIGURE 19



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FIGURE 20A

CGCTTCGTTGG

G G A
CG
CG
CG
TG
CG
TG
CG
GT
173GC
T C
A T¹⁹⁶
TG
CG
A A
CG
CG
AGC
AT
CG

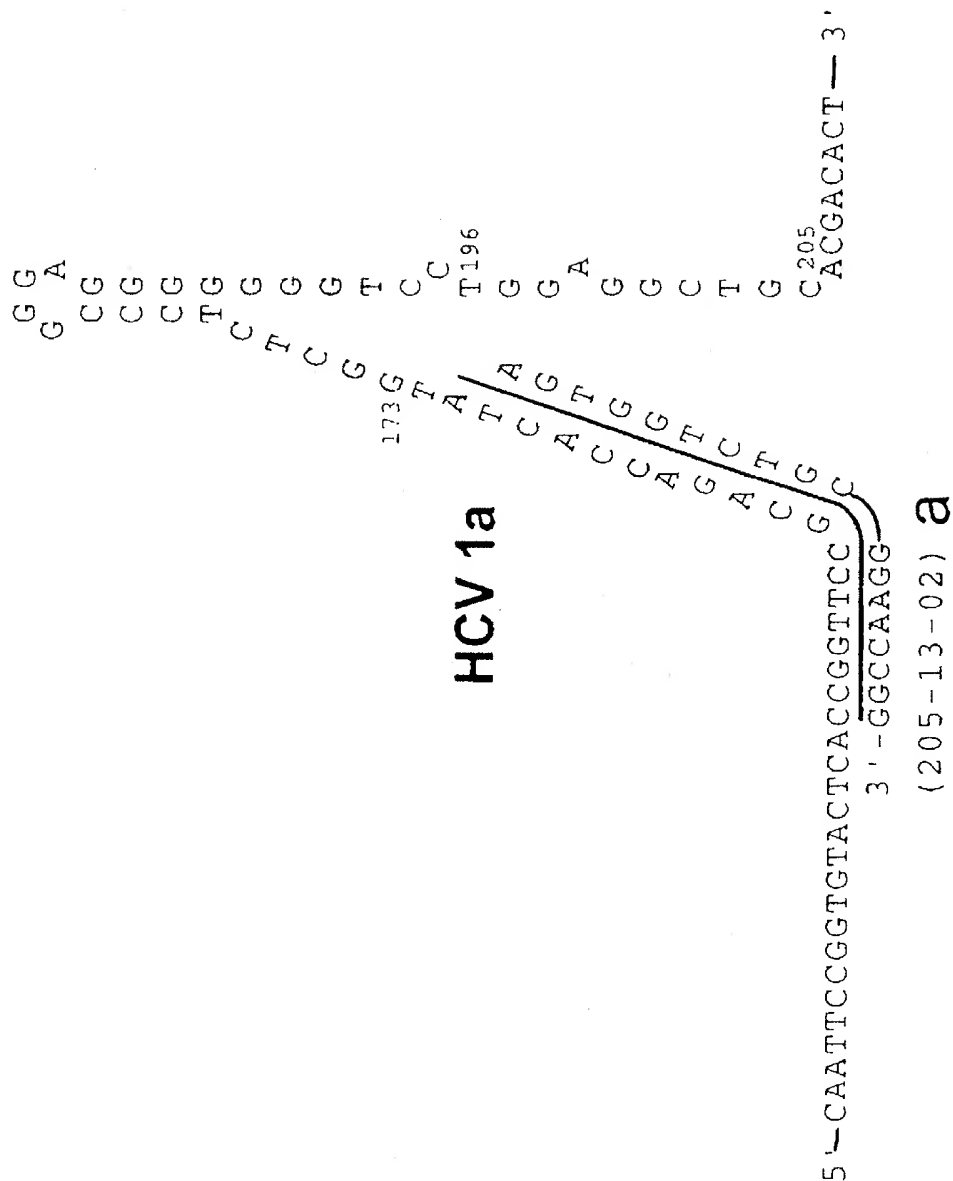
HCV 1a

5'-CAATTCCGGTGTAACCGGTTCC G C²⁰⁵ ACGACACT-3'

- 3'-GGCCAAAGCGTCTGGTGA-Fl'5' (205-13-02) a
- 3'-GGCCAAAGG_{TT} TGCTGTGA-Fl'5' (179-49-01) b
- 3'-GGCCTAGG_{TT} TGCTGTGA-Fl'5' (192-72-04) c
- 3'-GGCCAAAGG_{TT} TGCAGTGA Fl'5' (192-72-05) d
- 3'-GGCCAAAGG-Fl'5' (205-27-01) e

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FIGURE 20B



[illegible]

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FIGURE 22

G G
G A

CG

CG

CG

TG

CG

TG

CG

GT

173 GC

T C

A T¹⁹⁶

TG

CG

A A

CG

CG

AGC

AT

CG

G C²⁰⁵

ACGACACT

3'

5'-CAATTCGGTGTA

CTCACC

GGTTCC

3'

3'-GGCCAAGG

CTCGTGA

-F1'5'

(205-13-02)

a

3'-GGCCAAGG

TTTGCTGTGA

-F1'5'

(179-49-01)

b

3'-GGCCAAGG

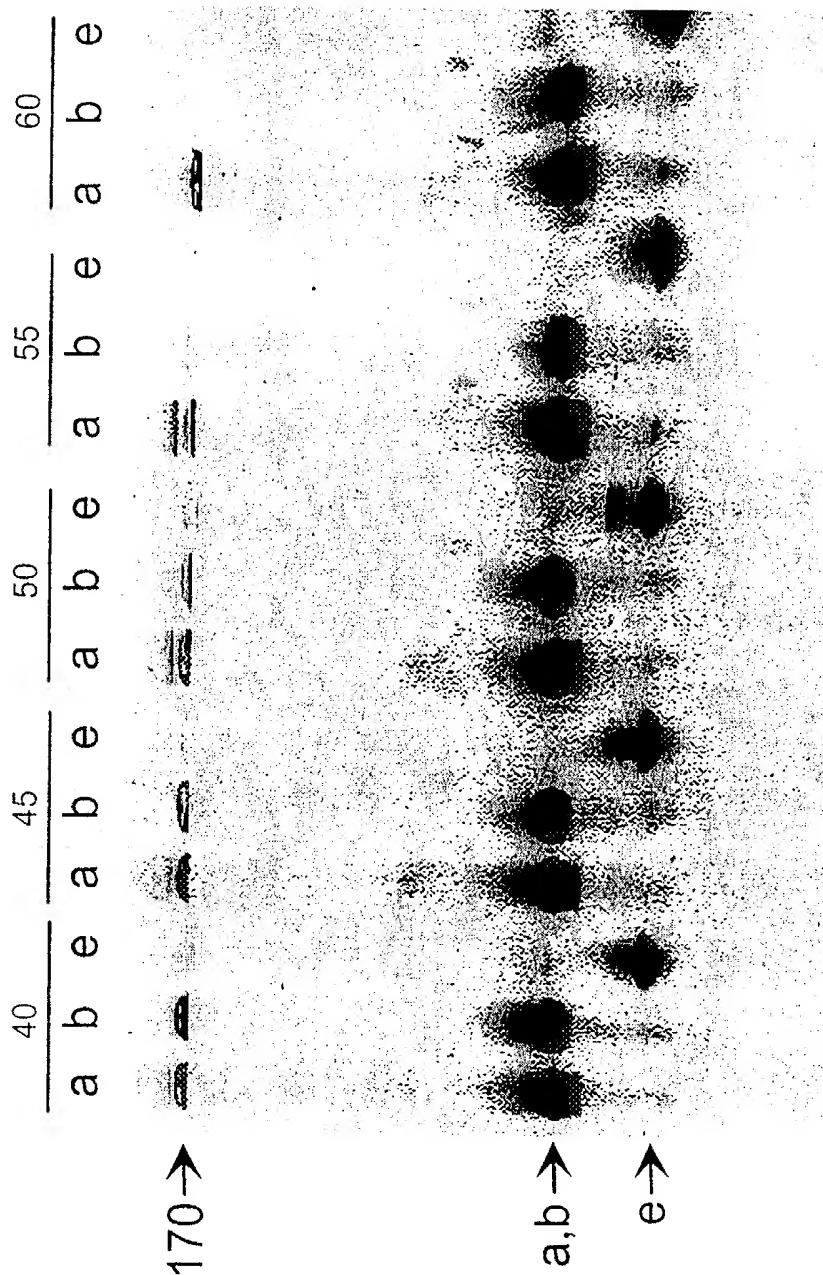
-F15'

(205-27-01)

e

HCV 1a

FIGURE 23



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FIGURE 24

GenBank accession number: AF010446.1

G G
 G A
 C G
 C G
 C G
 T G
 C G
 T G
 C G
 G T
 173 G C
 T C
 A T¹⁹⁶
 T G
 C G
 A A
 C G
 C G
 A G C
 A T
 C G

HCV 1a

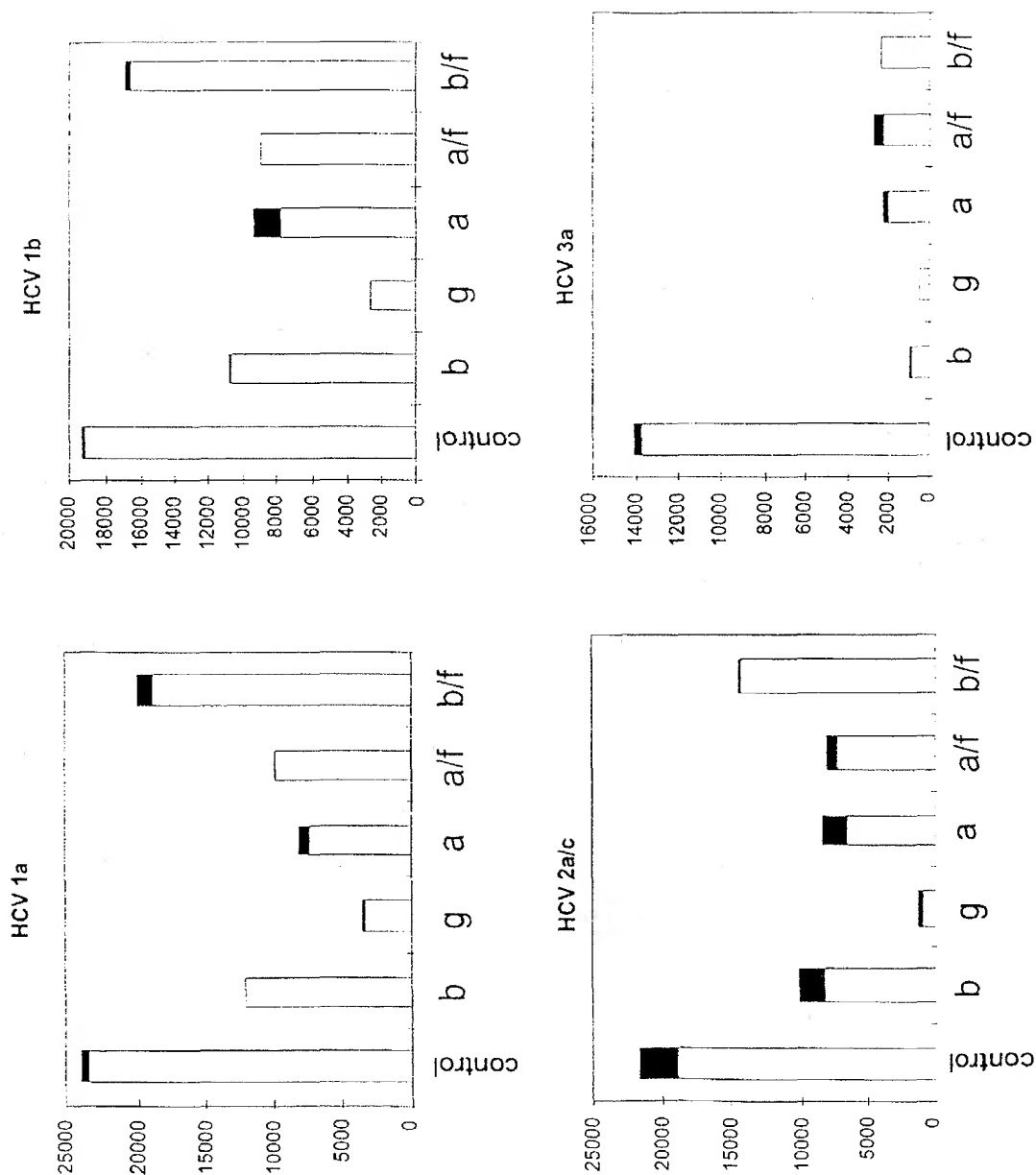
5'-CAATCCGGTGTAACCGGTTCC G^{C205}ACGACACT-3'

f (192-96-01) 3'-TAAGGCCACATGAGT-5'

3'-GGCCAAAGGCGTCTGGTGA-F1'5' (205-13-02) a
 3'-GGCCAAAGG_{TT}TGCTGTGA F1'5' (179-49-01) b
 3'-GGCC^TAGG_{TT}TGCTGTGA-F1'5' (192-72-04) c
 3'-GGCCAAAGG_{TT}TGCAGTGA-F1'5' (192-72-05) d
 3'-GGCCAAAGG-F15' (205-27-01) e

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FIGURE 25



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FIGURE 26

5' -ATTCCGGTGTA^{CT}CACCGGTTCCAAACGACACT-3' (205-13-01) S.T.
 f (192-96-01) 3' -TAAGGCCACATGAGT-5'
 3' -GGCCAAGGCGTCTGGTGA-Fl'5' (205-13-02) a
 3' -GGCCAAGG_{TT}TGCTGTGA-Fl'5' (179-49-01) b
 3' -GGCCTAGG_{TT}TGCTGTGA-Fl'5' (192-72-04) c
 3' -GGCCAAGG_{TT}TGCAGTGA Fl'5' (192-72-05) d
 3' -GGCCAAGG-Fl'5' (205-27-01) e

FIGURE 27

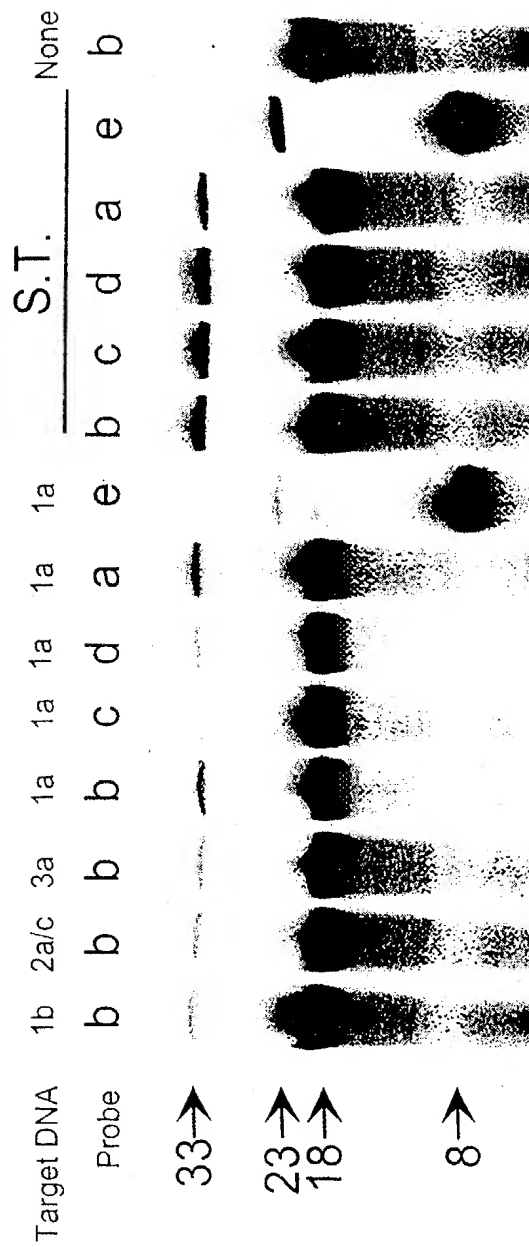
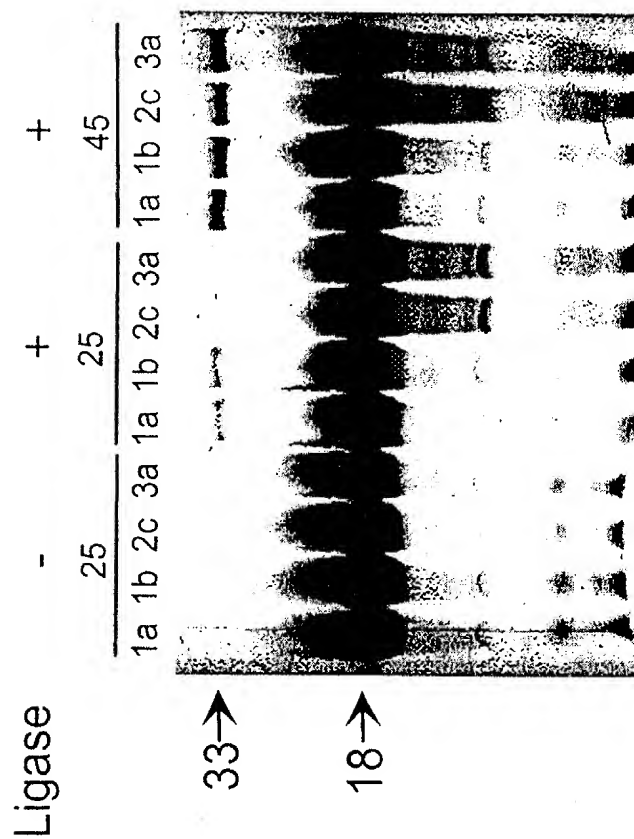


FIGURE 28



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FIGURE 29A

HCV 1a

5'-CAATTCGGTGTA

G G A

CG

CG

CG

TG

CG

TG

CG

GT

173 G C

T C

A T¹⁹⁶

TG

CG

A A

CG

CG

AGC

AT

CG

G C²⁰⁵

ACGACACT

3'

3'-GGCCAAGGCGTCTGGTGA-F1'5' (205-13-02)

3'-GGCCAAGG_{TT}TGCTGTGA-F1'5' (179-49-01)

3'-GGCCCTAGG_{TT}TGCTGTGA-F1'5' (192-72-04)

3'-GGCCAAGG_{TT}TGCAAGTGA-F1'5' (192-72-05)

3'-GGCCAAGG-F15' (205-27-01)

g 3'-TAAGGCCACATGAGTG_{TT}

T_{TT}-F1'5' (192-96-02)

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FIGURE 29B

5' - ATTCGGGTACTCACC GGTTCCAAACGACACT - 3' (205-13-01) S.T.

3' - GGCCAAAGCGCTCTGGTGA - F1' 5' (205-13-02) a

3' - GGCCAAAGG _{TT} TGCTGTGA - F1' 5' (179-49-01) b

3' - GGCCTAGG _{TT} TGCTGTGA - F1' 5' (192-72-04) c

3' - GGCCAAAGG _{TT} TGCAGTGA - F1' 5' (192-72-05) d

3' - GGCCAAAGG - F15' (205-27-01) e

g 3' - TAAGGCCACATGAGTG _{TT} _{TT} - F1' 5' (192-96-02)

FIGURE 30

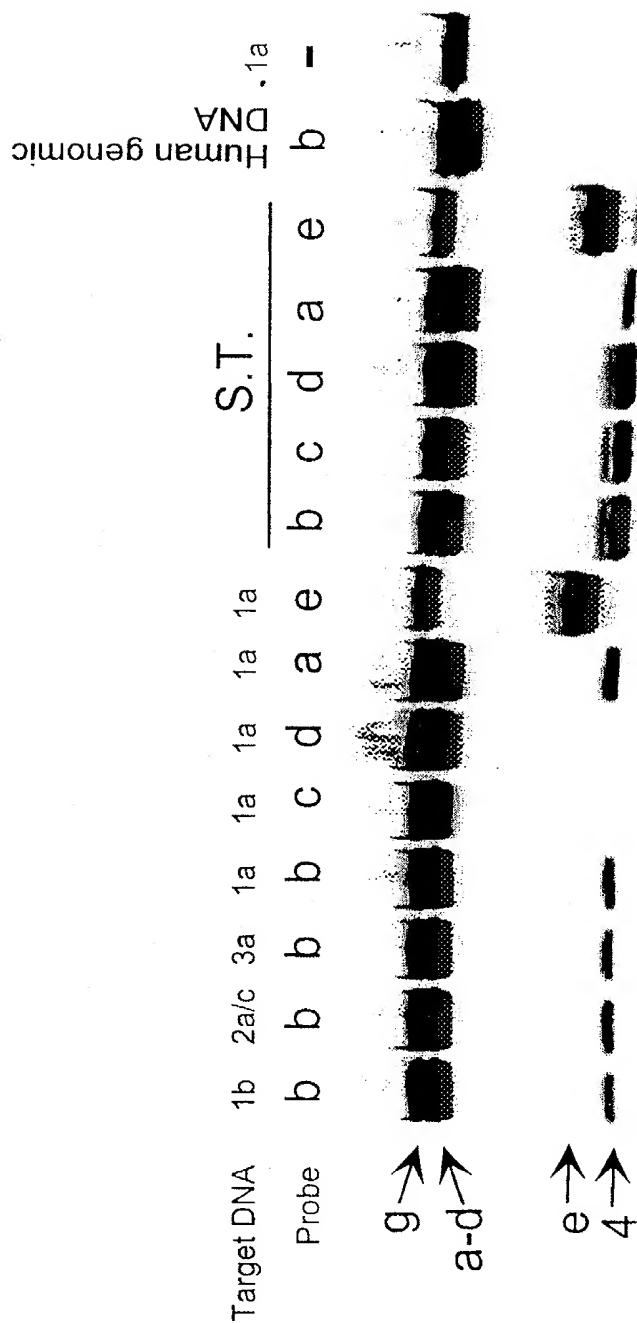
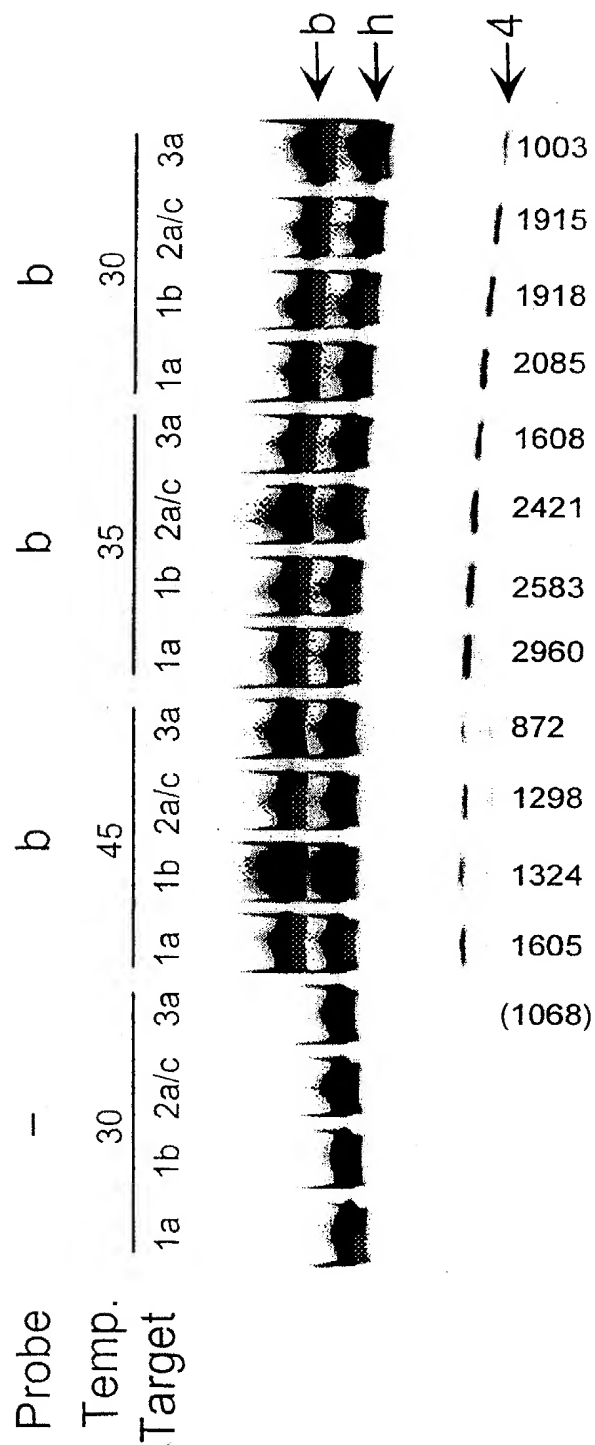


FIGURE 31

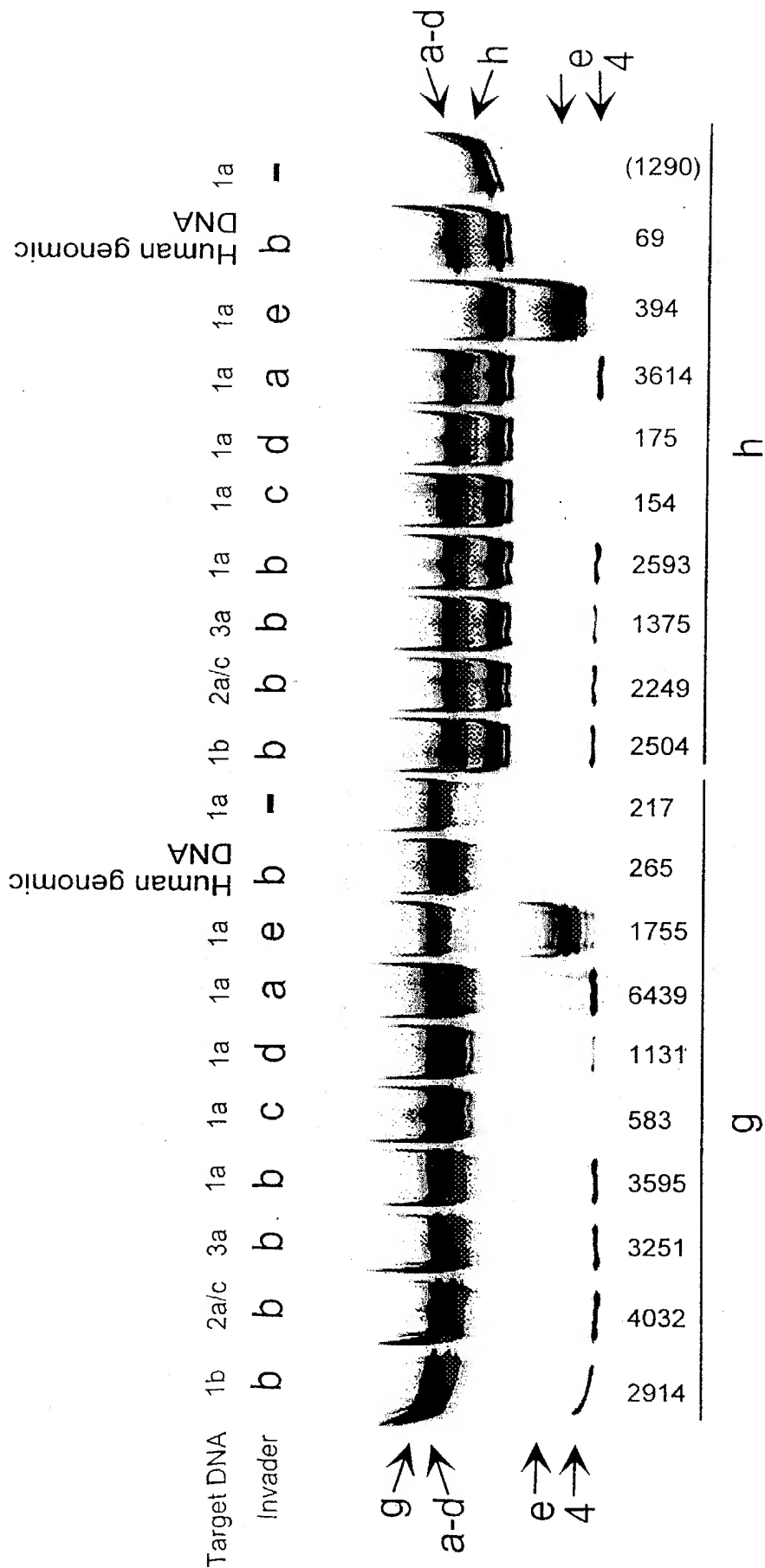
G G
 G A
 C G
 C G
 C G
 T G
 C G
 T G
 C G
 G T
 173 G C
 T A T¹⁹⁶
 T G
 C G
 A A
 C G
 C G
 A G C
 A T
 C G
 G C²⁰⁵
 A C G
 5'-CAATCCGGTGTA CCGGTTC
 3'-GGCCAAGG TT
 T G C

FIGURE 32



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FIGURE 33



STEPS

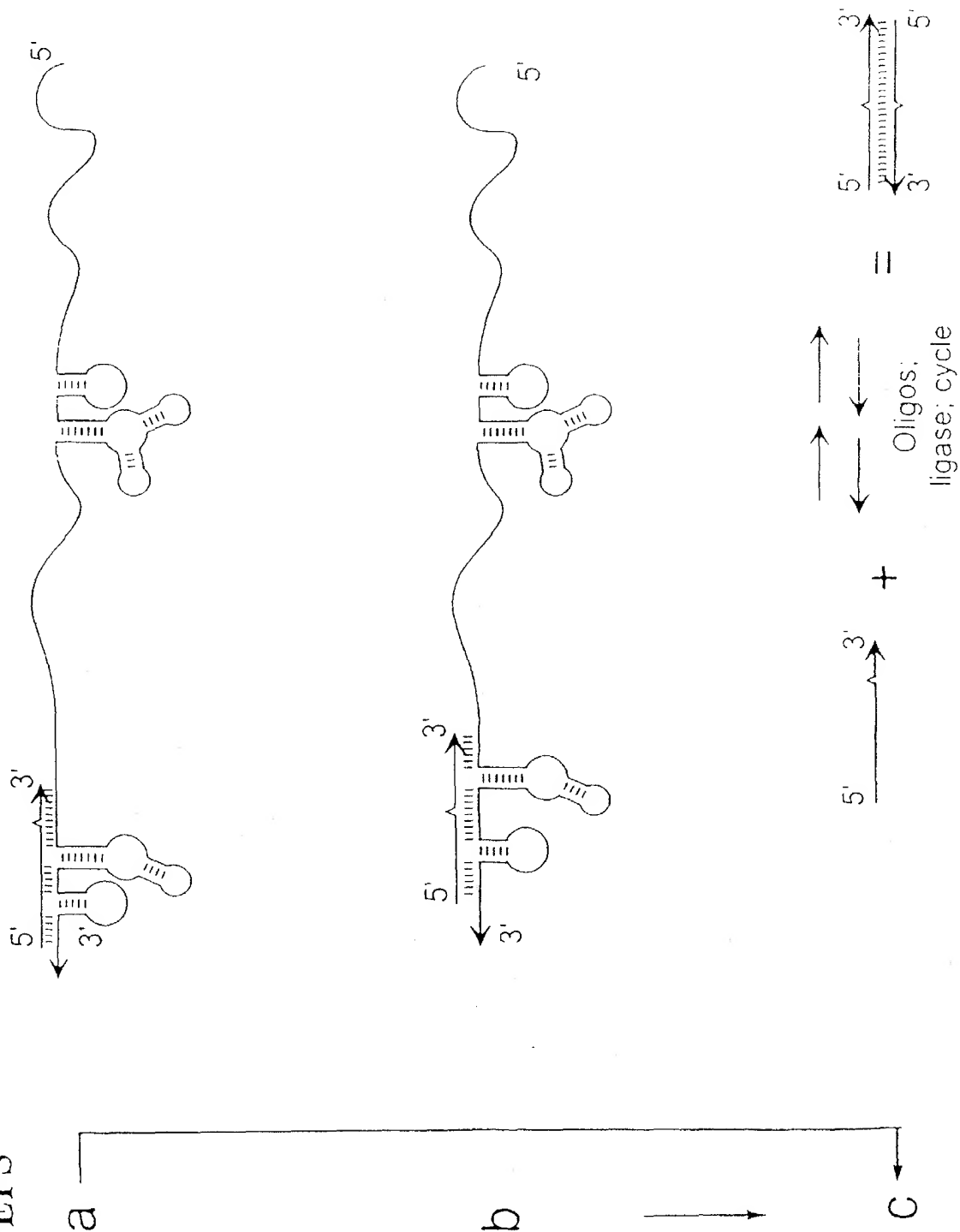
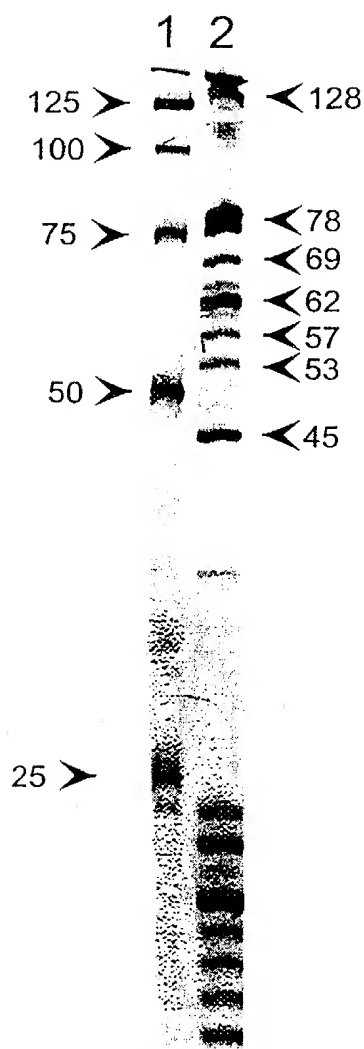
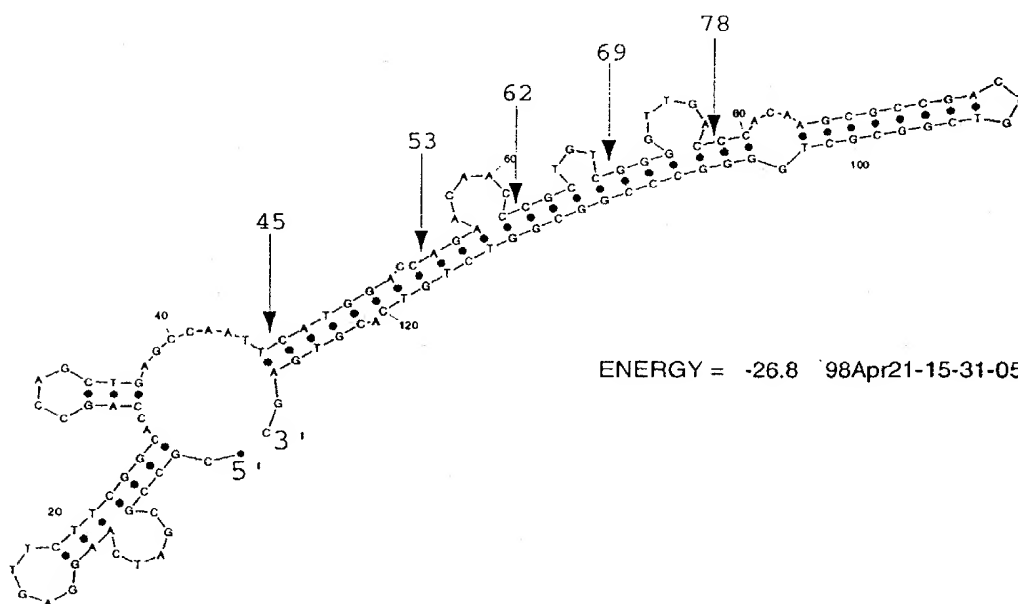
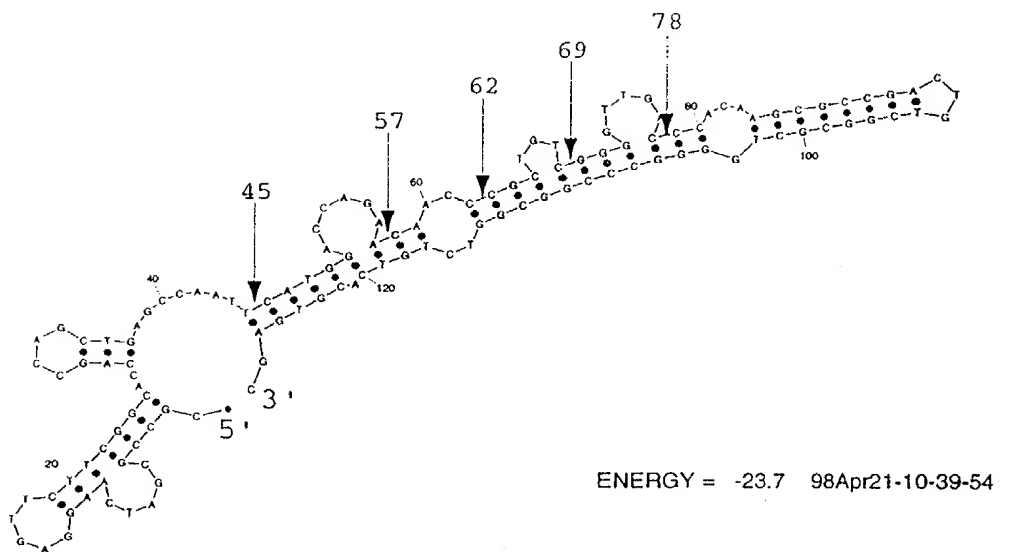


FIGURE 36



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FIGURE 37A



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FIGURE 37B

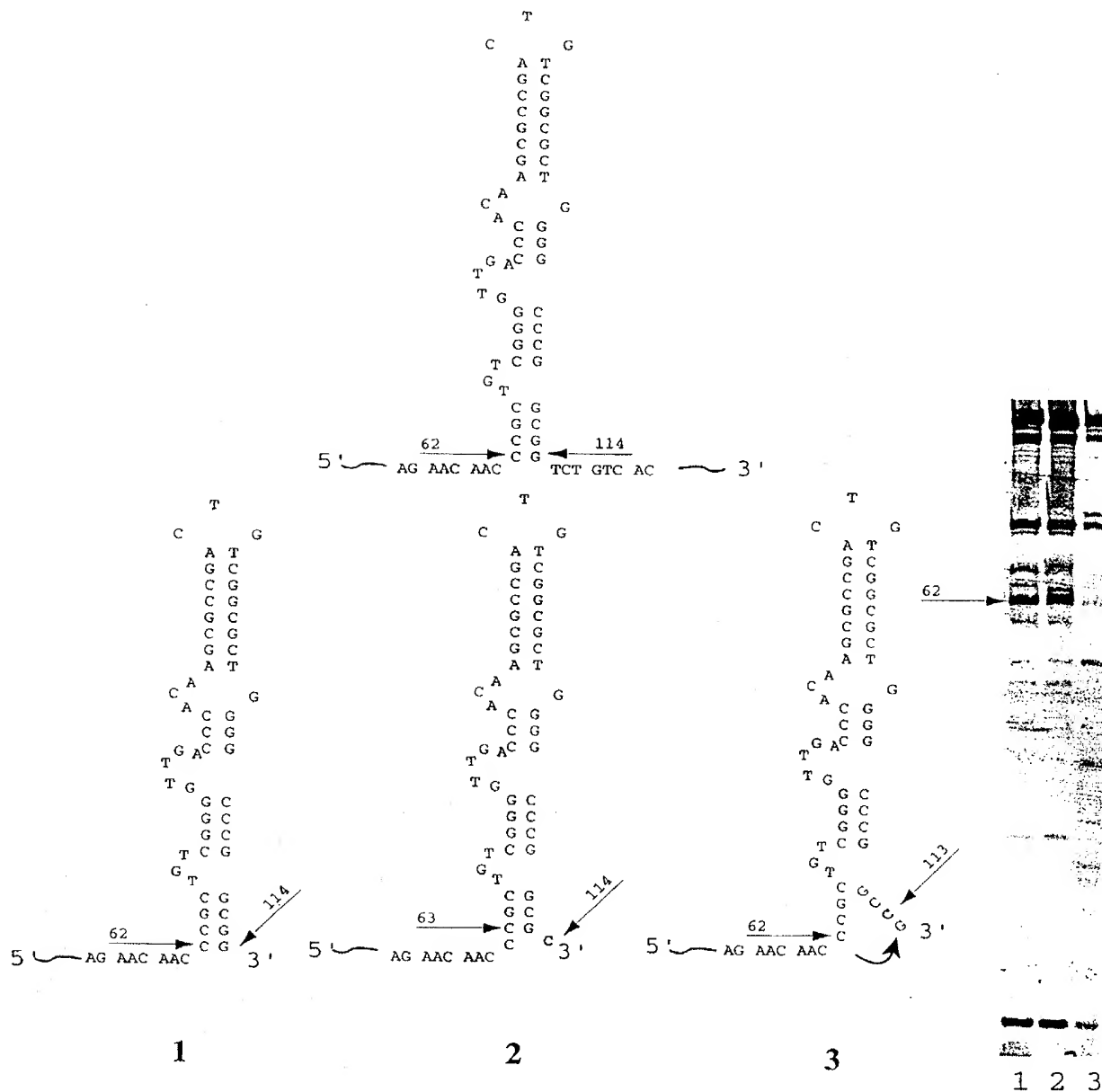


FIGURE 37C

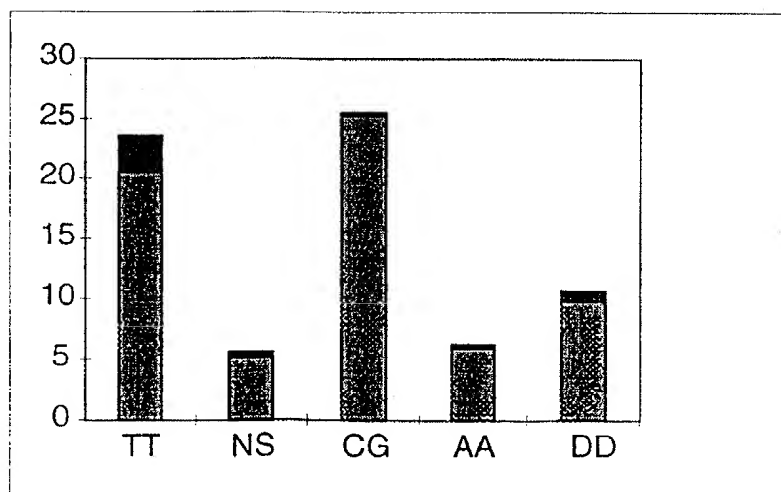
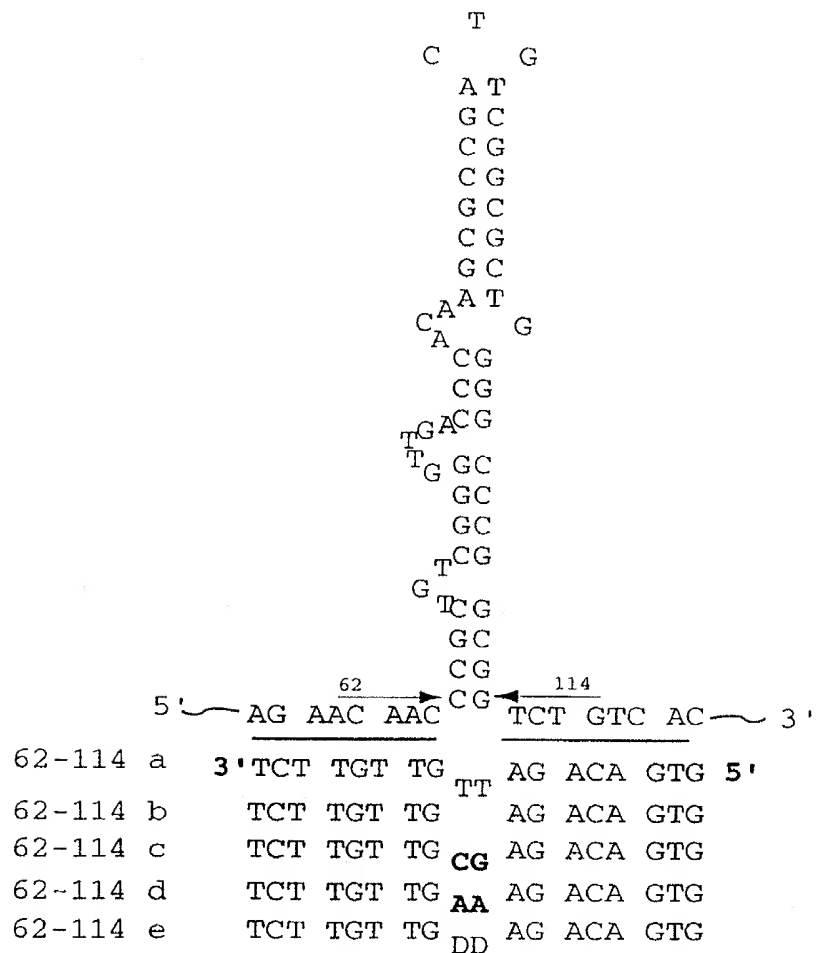


FIGURE 38A

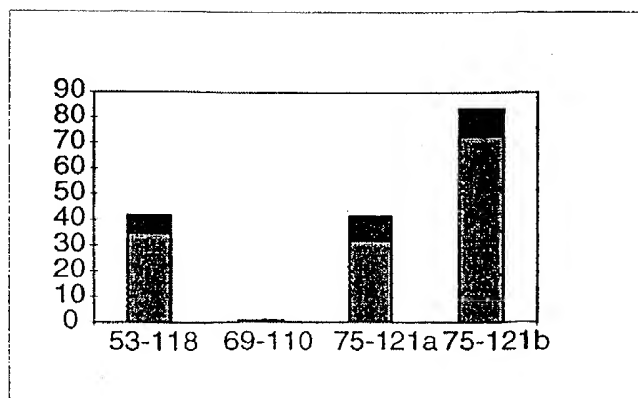
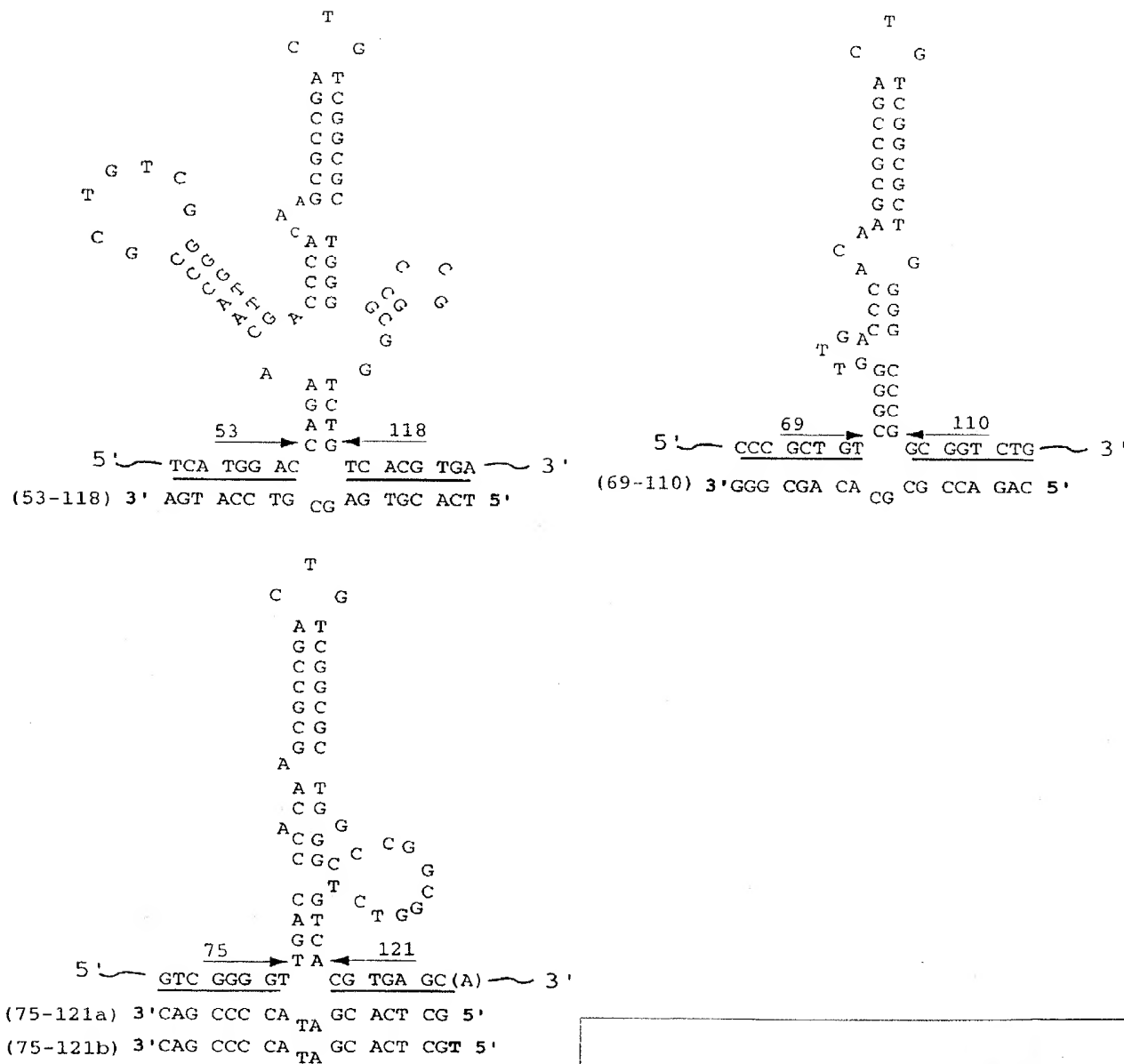


FIGURE 38B

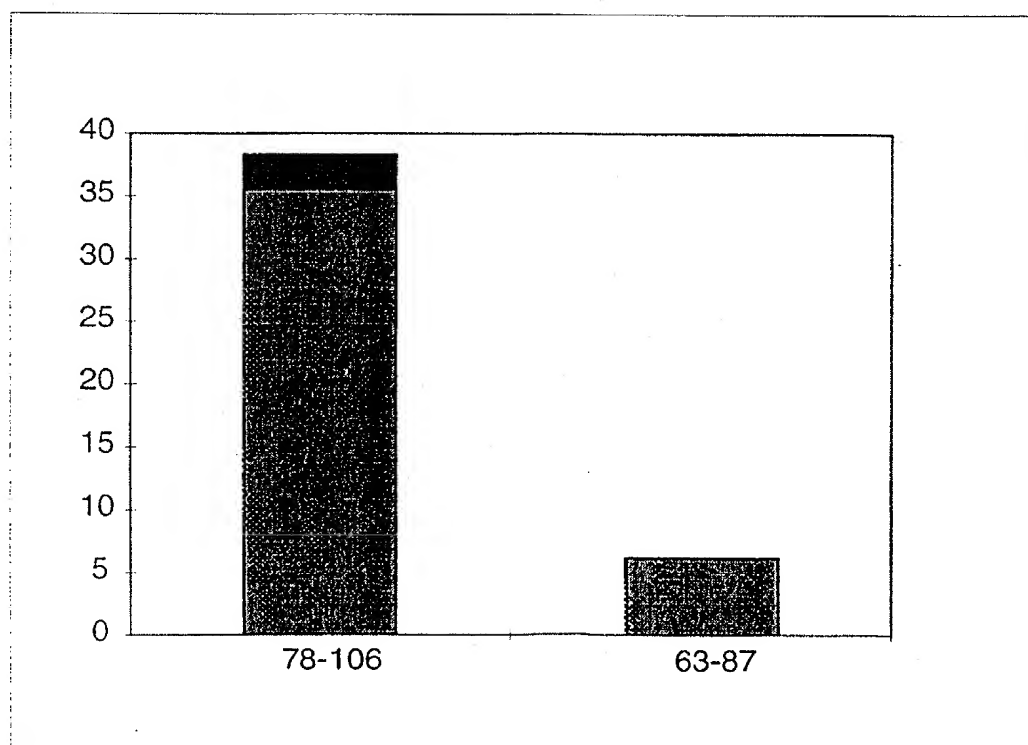
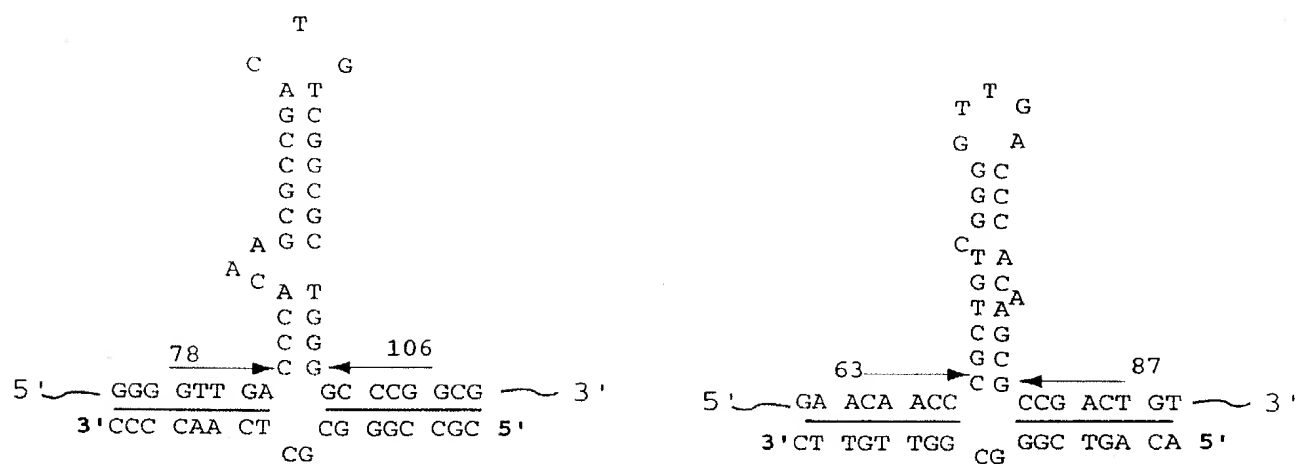


FIGURE 38C

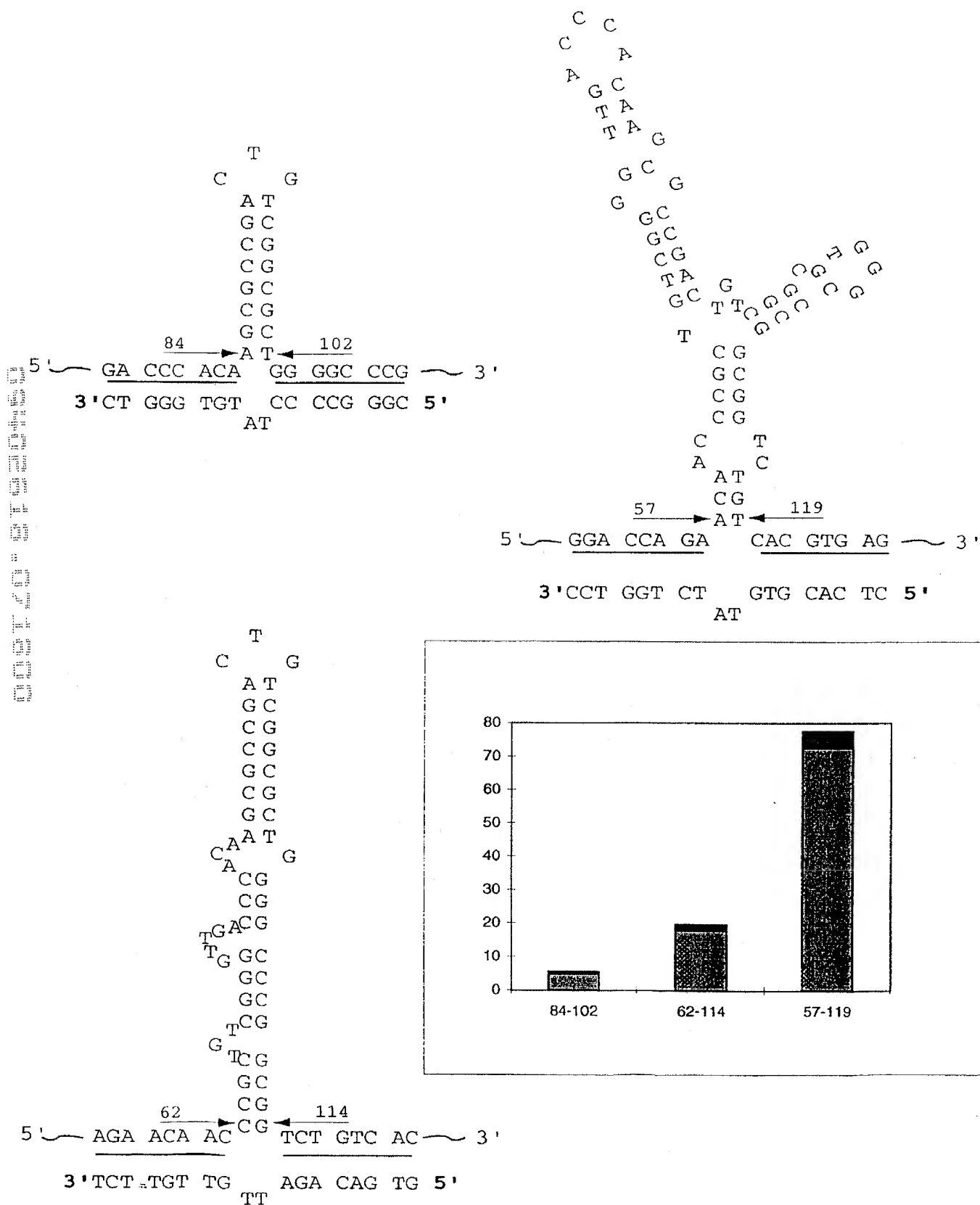


FIGURE 39

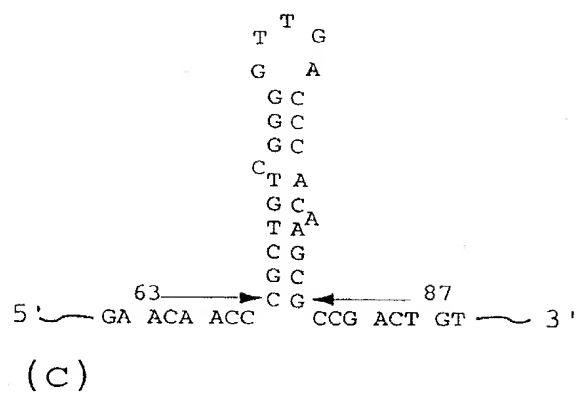
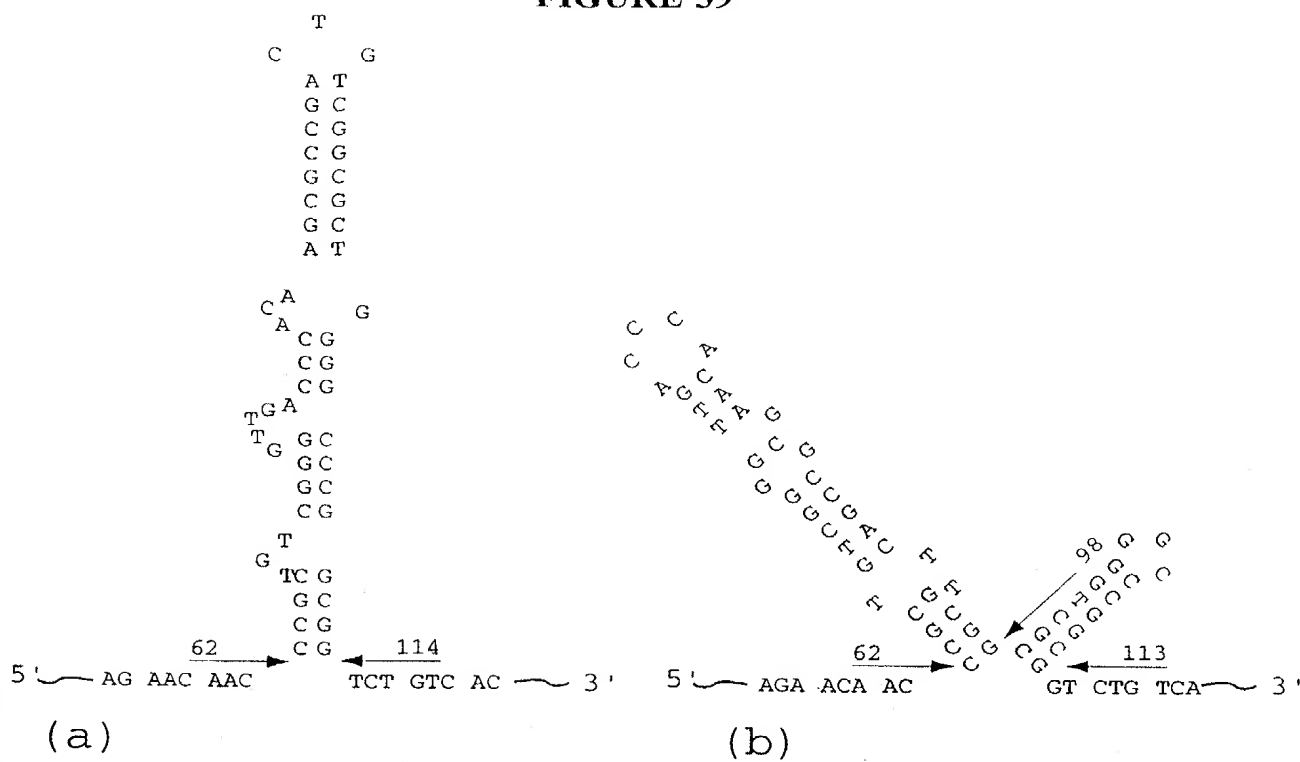


FIGURE 40

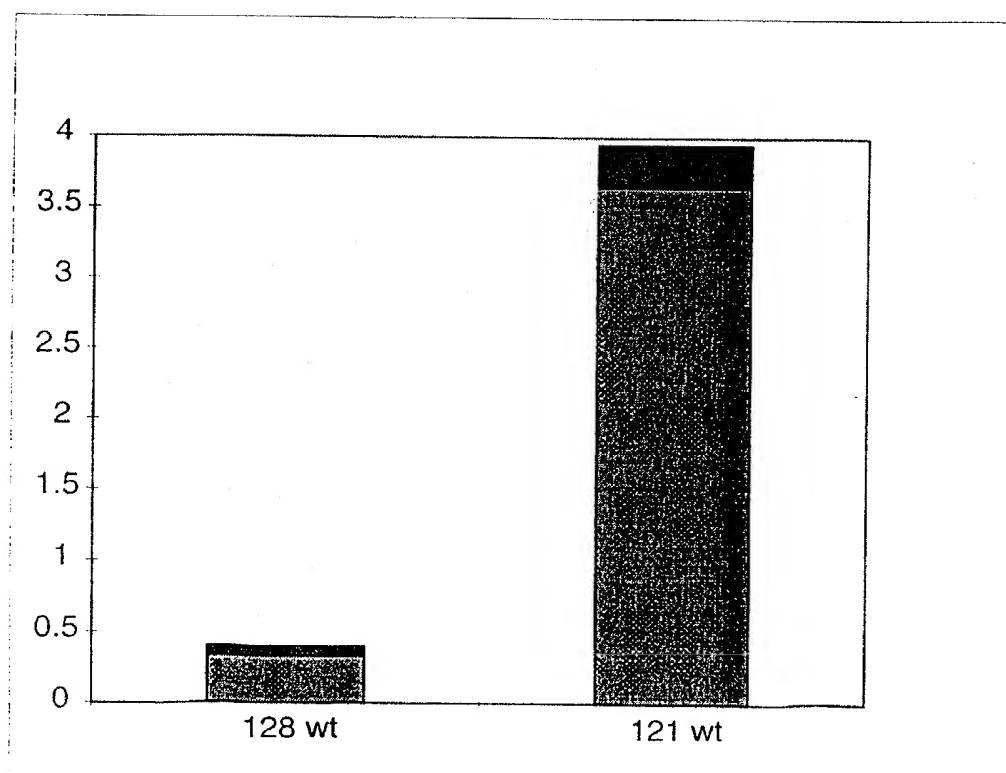
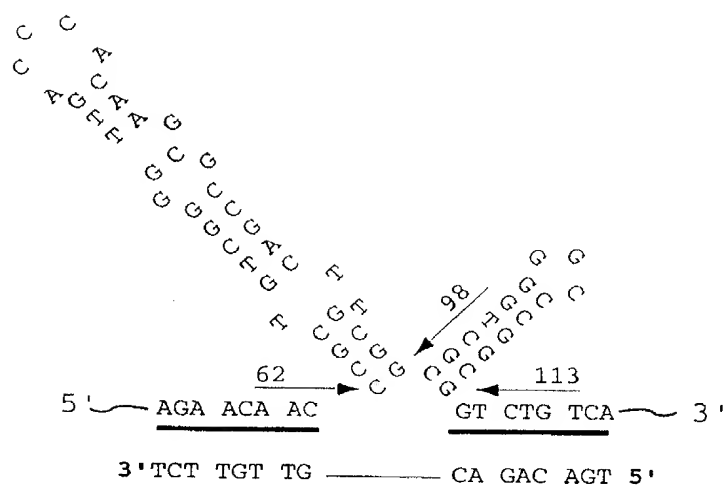


FIGURE 41

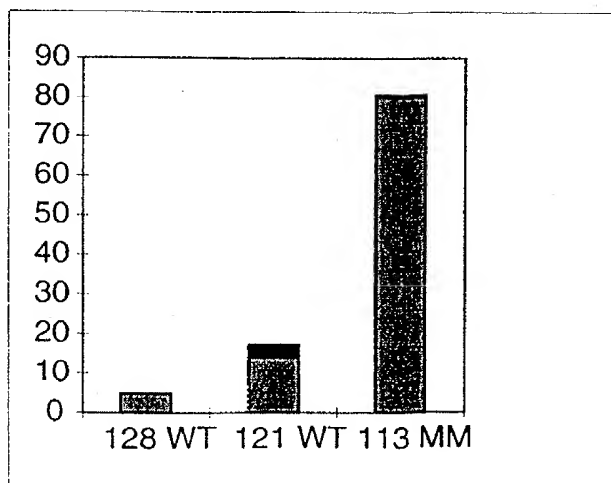
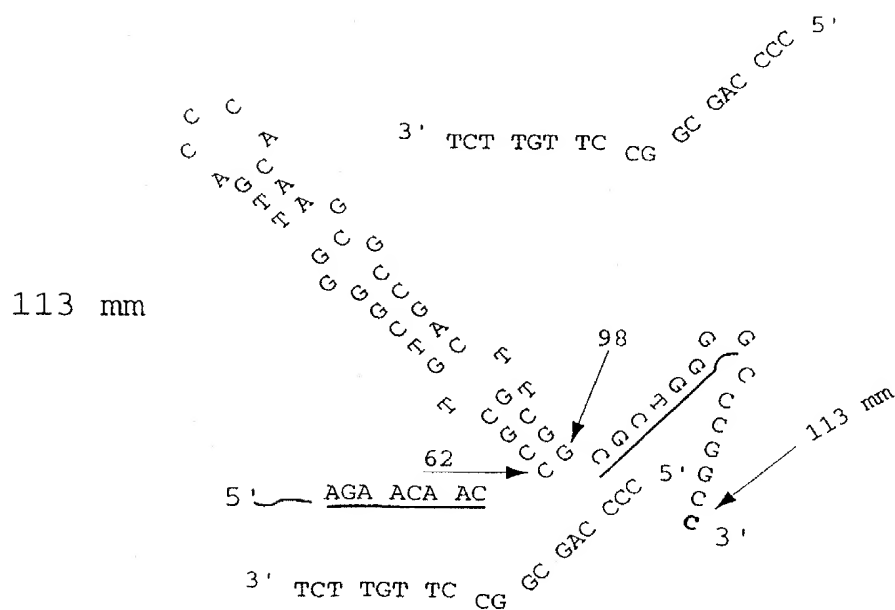
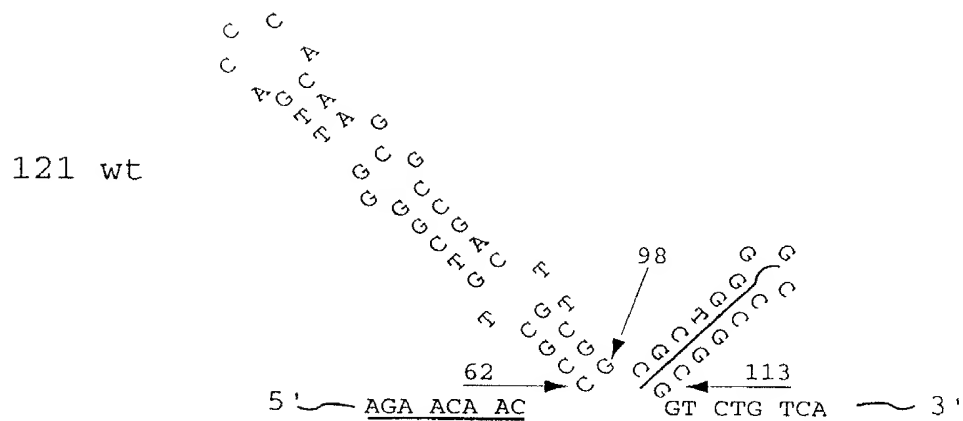


FIGURE 42

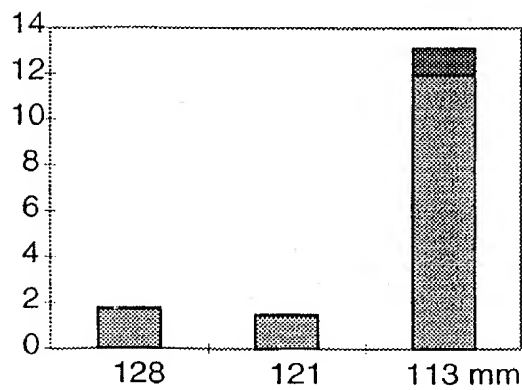
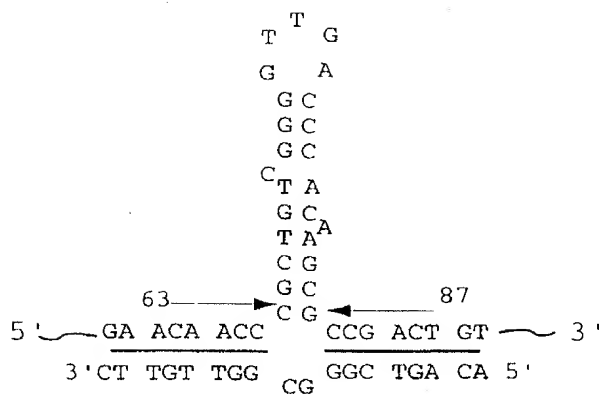
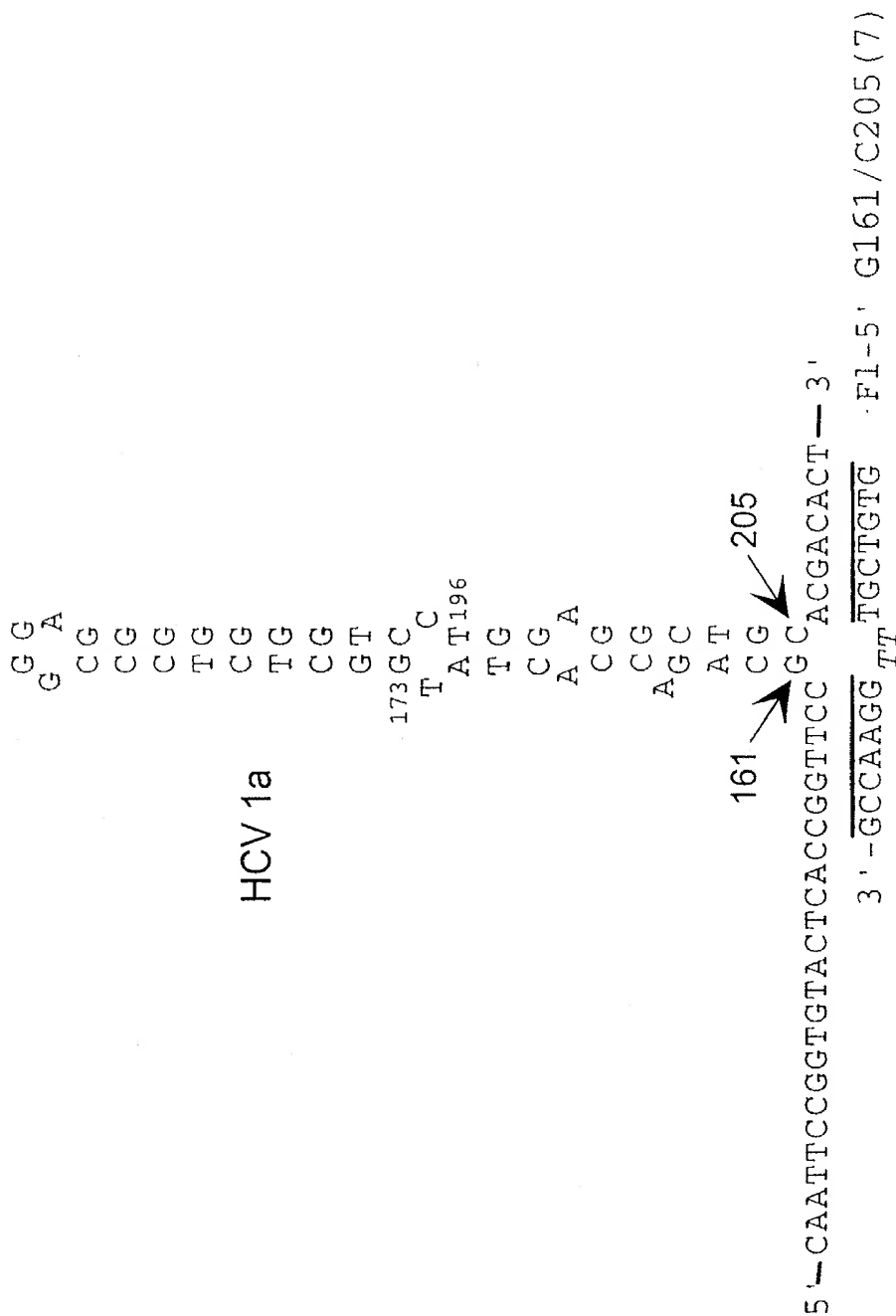
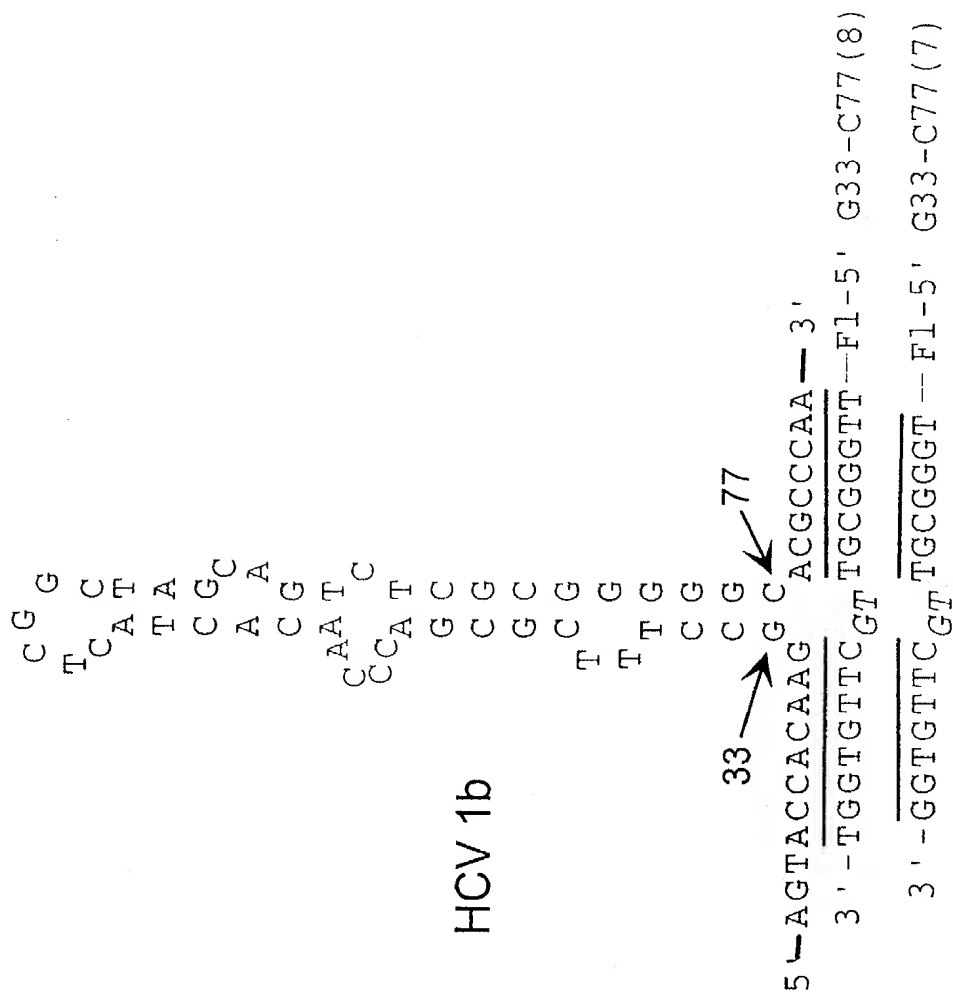


FIGURE 43A



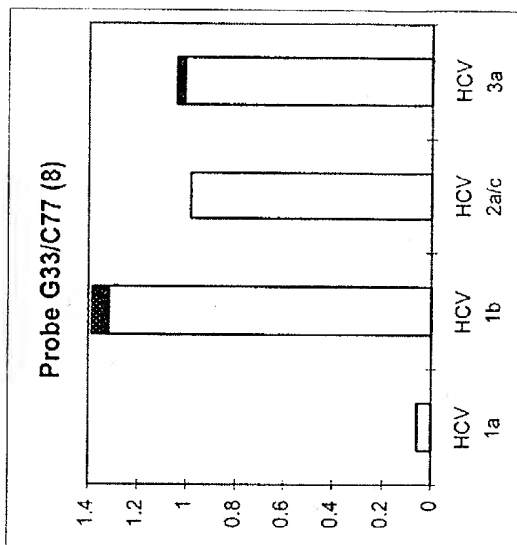
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FIGURE 43B



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FIGURE 44A



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FIGURE 44B

